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SCHOOL YEAR 1948-1949

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WESTERN RESERVE UNIVERSITY, CLEVELAND
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UNIVERSITY OF TORONTO, CANADA

DEPARTMENT OF ARCHITECTURE

AMERICAN INSTITUTE OF ARCHITECTS
AMERICAN INSTITUTE OF DECORATORS
AMERICAN SOCIETY OF LANDSCAPE ARCHITECTS
SOCIETY OF MURAL PAINTERS
SOCIETE DES ARCHITECTES DIPLOMES P.G.F.
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THE BULLETIN OF THE
BEAUX-ARTS INSTITUTE OF DESIGN
JANUARY 1949 VOLUME XXV NUMBER ONE SCHOOL YEAR 1948-1949

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ARCHITECTURE

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REPRODUCTIONS OF DESIGNS IN THIS ISSUE #1 - 24.

THE REPORTS OF THE JURY IN THE BULLETIN ARE PRESENTED AS AN UNOFFICIAL OPINION BY A MEMBER OF THE JURY DELEGATED FOR THIS PURPOSE, AND SHOULD NOT BE INTERPRETED AS THE COLLECTIVE OPINION OF THE JURY.

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BEAUX-ARTS INSTITUTE OF DESIGN

304 East 44th Street, New York 17, N. Y.

DEPARTMENT OF ARCHITECTURE—1948-1949—FIFTY-SIXTH SCHOOL YEAR

Program issued and completed in any

Nine Consecutive Hours in the month of—October, 1948

Judgment will be held in the week of —November 2-5, 1948

CLASS A SKETCH I—A CHILDREN'S SODA BAR

Author — George Foster Harrell, Dallas, Texas

Mr. George Foster Harrell is a graduate of the Georgia School of Technology and the University of Pennsylvania. Following his schooling he worked in various offices in New York City. He was associated with Walter D. Teague as architect for the U. S. Steel Building for the World's Fair in New York. In 1939 he formed the partnership of Williams & Harrell. In 1943 Mr. Harrell entered the Navy; and subsequently resumed his practice in Dallas, Texas in 1945. In the Libby Owens Ford "Modernizing Main Street" competition he won first and second prizes.

It is important that this Children's Soda Bar capture in form and color a spirit of youthful gaiety, with specific juvenile appeal.

A suburban branch of a large city department store has set aside a space for a children's soda bar at the end of the children's department. The area is rectangular on the south dimension and 20 feet in the other dimension, with a 12 foot flush ceiling. Treatment of the walls and ceiling, including lighting and decorative features shall be at the discretion of the student. The south wall is glass, adequately protected from the sun, and looks out on an attractive patio. The east and north walls are solid, with a single service door in the north wall. The west side is open to the selling area.

The store wishes to make this an eye-catching corner in the children's department, so the student is encouraged to use his imagination freely.

Service requirements:

Preparation and work space for service should be 36" wide and should total approximately 15 linear feet.

Storage for glassware—approximately 50 linear feet, shelving not more than 12 inches deep.

These two may be arranged in the form of a back bar, or any other convenient manner.

All washing of glassware, etc. will be done in the service area behind the north wall.

Seating requirements:

Provide facilities for serving 24 children in as playful a manner as possible.

REQUIRED DRAWING: (Sheet size 22" x 30")

One large perspective from the most explanatory angle. Plan at 1/4" scale.

NOTE: A record of the date selected for this sketch by the supervisor must be forwarded to the Beaux-Arts Institute of Design as soon as determined. Sketches must be forwarded to the B. A. I. D. after the exercise.

The text of the program must be kept confidential before date of exercise.

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CLASS A SKETCH I
A CHILDREN'S SODA BAR

AUTHOR - GEORGE FOSTER HARRELL, DALLAS, TEXAS

JURY OF AWARD - NOVEMBER 11, 1948

JACQUES L. DELAMARRE
MICHAEL M. HARRIS

JOSEPH JUDGE

SIDNEY L. KATZ
MORRIS LAPIDUS

PARTICIPANTS:

CATHOLIC UNIVERSITY OF AMERICA
PRINCETON UNIVERSITY
UNIVERSITY OF ILLINOIS, URBANA

UNIVERSITY OF NOTRE DAME
UNIVERSITY OF PENNSYLVANIA
WESTERN RESERVE UNIV. CLEVELAND
UNAFFILIATED: ASHVILLE, N.C.

REPORT OF THE JURY - By MICHAEL M. HARRIS

IN REVIEWING THE WORK, THE JURY LOOKED FOR DESIGNS WHICH MET THE LIMITED SPACE REQUIREMENTS OF THE PROGRAM, PRESENTED AN ADEQUATE ARCHITECTURAL SOLUTION AND OFFERED IDEAS OF LIVELINESS AND IMAGINATION ATTRACTIVE TO CHILDREN.

THE USE OF COLOR WAS CONSIDERED AN IMPORTANT FACTOR SINCE A BRIGHT, FRESH AND CHEERFUL ATMOSPHERE HAS SALES-APPEAL FOR THE YOUNGER GENERATION. HUMOR, EVEN A WHIMSICAL QUALITY, WAS WELCOMED ALTHOUGH MANY STUDENTS FELL INTO THE ERROR OF MISTAKING COMIC-STRIP CARICATURE FOR HUMOR. OTHERS PRESENTED IDEAS TOO GROTESQUE AND FANTASTIC FOR A YOUNGER SET'S SODA BAR SINCE THE BASIC IDEA WAS TO ATTRACT CHILDREN, NOT FRIGHTEN THEM OUT OF SEVERAL YEARS' GROWTH. STILL OTHERS APPROACHED THE SKETCH AS A POSTER DESIGN. MANY OF THESE WERE VERY SKILLFULLY DONE BUT EITHER ENTIRELY IGNORED OR OBSCURED THE FEW ESSENTIAL ELEMENTS OF THE PROGRAM AND THEREFORE COULD HARDLY BE CONSIDERED ADEQUATE.

THE DESIGN OF G. JURENEC, UNIVERSITY OF ILLINOIS, WAS SELECTED FOR A MENTION BECAUSE OF ITS FINE SENSE OF SPATIAL DESIGN AND ITS MATURE PRESENTATION. THOUGH IT WAS NOT AS GAY AND IMAGINATIVE AS IT MIGHT HAVE BEEN, THE JURY FELT THAT WITH DEVELOPMENT IT WOULD BE AN EXCELLENT SOLUTION. MANY SKETCHES WERE IN THIS SAME CATEGORY; FEW, HOWEVER, WERE AS CRISPLY AND SIMPLY HANDLED.

THE OTHER MENTION, A DESIGN BY J. WOOD, UNIVERSITY OF ILLINOIS, WAS LESS ARCHITECTURAL IN CHARACTER BUT NEVERTHELESS GAVE SUCH A LIVELY AND CHARMING ANSWER TO THE PROBLEM THAT ITS APPEAL WAS IMMEDIATE AND ENTIRELY WITHIN THE SPIRIT OF THE PROGRAM.

IN GENERAL THE BULK OF THE DESIGNS ARE DISAPPOINTING. SEVERAL SKETCHES CONTAINED THE NUCLEUS OF A PLAYFUL AND IMAGINATIVE IDEA ATTRACTIVE TO CHILDREN BUT WERE DISCARDED BY THE JURY BECAUSE OF INCOMPLETE AND IMMATURE PRESENTATION. THEY WERE POOR IN DRAWING AND IN THE USE OF COLOR AND FAR BELOW THE STANDARDS EXPECTED OF ADVANCED STUDENT WORK. MANY WERE OVER-ELABORATE AND COMPLETELY LACKING IN SCALE, SHOWING NO SENSE OF THE RATHER RESTRICTED SPACE INDICATED IN THE PROGRAM.

SIMPLICITY, CLARITY, TRUE HUMOR AND A SENSE OF FAMILIARITY WILL USUALLY HAVE AN APPEAL FOR THE VERY YOUNG.

SUMMARY OF AWARDS:

2 MENTION 11 HALF MENTION 128 NO AWARD 141 TOTAL SUBMITTED

PRINCETON UNIVERSITY: HALF MENTION- G.H.DEXTER, J.R.DIEHL, C.W.GOYER, JR.
F.H.HILL.

UNIVERSITY OF ILLINOIS, URBANA: MENTION- G.JURENEC, J.WOOD.

HALF MENTION- E.I.CALLAHAN, C.K.CHEN, H.E.KAISER, R.J.SHERBURNE,
E.K.USHER.

WESTERN RESERVE UNIVERSITY, CLEVELAND: HALF MENTION- J.G.FENTON,
R.VROOMAN.

INDEX OF REPRODUCTIONS:

CLASS A SKETCH I - A CHILDREN'S SODA BAR
NOVEMBER 11, 1948

- | | |
|---------------------------------------|---------|
| 1. J. WOOD, UNIVERSITY OF ILLINOIS | MENTION |
| 2. G. JURENEC, UNIVERSITY OF ILLINOIS | MENTION |

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CLASS B SKETCH I—A BUS SHELTER Author — Harold Spitznagel, Sioux Falls, South Dakota

Mr. Harold Spitznagel studied at the Art Institute of Chicago and attended the University of Pennsylvania, graduating with the school medal of the American Institute of Architects. He has worked in various offices in Philadelphia, Chicago and Indianapolis, and established his own office in his native city in 1930. Mr. Spitznagel was State Architect for the Federal Housing Administration at the time of its inception.

A municipal bus company has decided to erect a series of shelters along its suburban route for the convenience of its patrons. Each shelter should provide seating accommodations for six people. The design should permit clear vision in either direction along the highway for sighting oncoming buses. Projecting roofs giving maximum protection should not interfere with clearances required for the bus.

It is important that the design be kept simple in form, since the shelters will be located in residential districts having widely varied architectural styles. They are to be

easily accessible and constructed for a minimum of maintenance.

It shall be assumed that this shelter is located on a wide level park strip between sidewalk and the curb.

REQUIRED DRAWING: (Sheet 22" x 30")

A single large scale perspective which will clearly present the problem.

A section, plan and elevation at the scale of $1/4"$ to the foot.

A SIMPLE SOLUTION WILL INvariably BE DISMISSED BY ONE AN EXAGGERATED ONE. THIS IS DIFFICULT OF ACCOMPLISHMENT IN A SMALL-SCALE PROBLEM BECAUSE

THE PROBLEM REQUIRES BOLSTERING BY INVENTIVE EXPRESSION AS A BID FOR ATTEN

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CLASS B SKETCH I
A BUS SHELTER

AUTHOR - HAROLD SPITZNAGEL, SIOUX FALLS, SOUTH DAKOTA

JURY OF AWARD - NOVEMBER 11, 1948

ARTHUR S. DOUGLASS, JR.
JOHN G. FARON

VINCENT FURNO
IRVING D. HARRIS
JOSEPH JUDGE

ALEXANDER B. KLEINER
WILLIAM F. LEPPIN

REPORT OF THE JURY - BY ARTHUR S. DOUGLASS, JR.

I INTRODUCTION: WITH RARE EXCEPTION DID THE SUBMITTED SOLUTIONS OFFER POOR PLANS - THIS WAS PROPERLY TO BE EXPECTED FROM SUCH A SIMPLE PROGRAM; WHAT WAS NOT EXPECTED, HOWEVER, WERE THE DEPARTURES FROM CERTAIN ELEMENTS OF GOOD DESIGN, NAMELY: SCALE, SUITABLE MATERIALS, APPROPRIATE CHARACTER, AND CONSTRUCTION LOGIC.

THESE COMMENTS APPLY TO THE BUS SHELTER UNDER CONSIDERATION AND SIMULTANEOUSLY CONCERN THEMSELVES WITH DESIGN OF ANY TYPE - BE IT ARCHITECTURE OR ITS RELATED FIELDS.

A SIMPLE SOLUTION WILL INVARIABLY BE RECOMMENDED BEFORE AN EXAGGERATED ONE. THIS IS DIFFICULT OF ACCOMPLISHMENT IN A SMALL-SIZED PROBLEM BECAUSE THE DESIGNER IS OFTEN RELUCTANT TO ACCEPT THE MERITS OF HIS UNADORNED ANSWER - FEELING, TO THE DETRIMENT OF THE DESIGN, THAT THE SMALLNESS OF THE PROBLEM REQUIRES BOLSTERING BY FRIVOLOUS EXPRESSION AS A BID FOR ATTENTION. IT IS NOT TO BE INFERRED FROM THIS THAT IMAGINATION BE DISCARDED - RATHER THAT THERE IS A DIFFERENCE BETWEEN CONTROLLED AND UNINHIBITED IMAGINATION.

II DISCUSSION OF DESIGN: 1) SCALE: SCALE IS AN ILLUSIVE, INTANGIBLE QUALITY BUT IT IS IMPERATIVE TO THE SUCCESS OF A PROBLEM. WHILE ALL SUBMISSIONS HELD PLAN, ELEVATION AND SECTION WITHIN GOOD SCALE IT WAS PARTICULARLY NOTED THAT IN MANY CASES ALL RECOGNITION OF SCALE WAS DISCARDED IN THE PRESENTATION OF THE PERSPECTIVES. STATION POINTS SELECTED UNDER PROTECTION OF ARTISTIC LICENSE PRODUCED SHELTERS OF GROTESQUE PROPORTIONS; SUCH TRICKINESS LACKS SINCERITY SINCE IT DOES NOT GIVE A REALISTIC PRESENTATION. 2) MATERIALS: A) LOCAL STONE WAS THE FAVORITE MATERIAL AND WAS AN APPROPRIATE SELECTION CONSIDERING THE PROGRAM'S STATEMENT OF A "RESIDENTIAL" LOCATION (NO ONE USED BRICK - IS THIS MATERIAL PASSÉ?). FURTHERMORE, THOSE DESIGNERS WHO SELECTED STONE HAD TAKEN COGNIZANCE OF THE PROGRAM'S "MINIMUM OF MAINTENANCE" REQUIREMENT. B) WOOD, BOTH LUMBER AND PLYWOOD, WHILE IT PROVIDED SOME EXCELLENT EFFECTS IN TEXTURE AND STRUCTURAL SYSTEMS, PRESENTS A MAINTENANCE PROBLEM NO MATTER HOW TREATED. C) REINFORCED CONCRETE PRESENTS A SERIOUS MAINTENANCE PROBLEM INASMUCH AS ITS SURFACES ARE A DECIDED TEMPTATION FOR SELF-ELECTED ARTISTS AND FOR THE WEATHERMAN (ALTHOUGH ONE DESIGNER, IN ANTICIPATION OF THE LAST COMMENT,

PROVIDED A BACKGROUND OF PALM TREES - EXAMPLE OF INTELLIGENT IMAGINATION!)
D) PROBLEMS USING GLASS IGNORED THE PROGRAM'S REQUIREMENT FOR MINIMUM MAINTENANCE; HOWEVER, JUDGMENT WAS BASED ON THE ASSUMPTION THAT THE GLASS COULD BE ELIMINATED WITHOUT HARM AND THOSE DESIGNS WERE JUDGED ON THEIR INTRINSIC MERIT. 3) CHARACTER: THIS AGAIN IS AN INTANGIBLE BUT ESSENTIAL QUALITY, GAINED THROUGH A COMBINATION OF SCALE AND APPROPRIATE MATERIALS. THE FEWER THE MATERIALS THE MORE HOMOGENEOUS THE RESULT. 4) CONSTRUCTION: IT IS NOT REMOTELY EXPECTED THAT CONSTRUCTION BE DEVELOPED IN DETAIL IN A SKETCH OF THIS GRADE; HOWEVER, IT SHOULD BE EXPECTED THAT THERE BE AN AWARENESS OF THE LOGIC OF CONSTRUCTION, THUS THREE INCH SLABS CANTILEVERED TO EXTREME EXTENSIONS, PITCHED STONE WALLS WITH NO APPARENT BELOW GRADE SUPPORT INDICATED IN SECTION, OBVIOUSLY LACKING LALLY COLUMNS, ETC., CANNOT BE CASUALLY DISMISSED. CONVERSELY, SOME STRUCTURAL MEMBERS AND WHOLE SYSTEMS WERE TOO COMPLEX AND LARGE IN SCALE FOR THE SIMPLICITY OF THE BUS SHELTER AND THEREFORE TOO EXPENSIVE FOR THE PROGRAM'S STIPULATION THAT THIS WAS ONE OF A "SERIES" OF SHELTERS.

III DISCUSSION OF PUBLISHED SKETCHES: H.L.LOHRMANN, UNIVERSITY OF ILLINOIS - MENTION: COMPLETELY CONTEMPORARY IN CHARACTER, RECOGNIZES HONEST USE OF PRESENT DAY MATERIALS, SHOWS DESIGN ABILITY TO ADAPT MATERIAL TO DESIRED USE RATHER THAN ALLOWING MATERIALS TO CONTROL DESIGN, CONCEIVED FROM THEIR SELECTED MATERIALS BEST ADAPTABLE TO IT. PLAN PROVIDED EASY CIRCULATION WITH SIMPLE SEGREGATION BETWEEN ACTIVE AND QUIET PASSENGERS.

THE INTEGRAL VERTICAL SLAB WHILE SERVING A DEFINITE STRUCTURAL FUNCTION BY ITS EXTENSION ADDS INTEREST AND NECESSARY CONTRAST TO WHAT OTHERWISE WOULD HAVE BEEN A MONOTONOUS CURVE; SLAB SIMULTANEOUSLY TIES STRUCTURE TO THE GROUND; INTRODUCTION OF THIS FEATURE WAS INGENIOUS IDEA FROM STANDPOINTS OF DESIGN AS SPOT FOR INDICATION STATION LOCATION.

ENTIRE SOLUTION STRAIGHTFORWARD, HONEST AND IMAGINATIVE (ALTHOUGH RESIDENTIAL CHARACTER MIGHT BE QUESTIONED), EXCELLENT PRESENTATION WITH DELINEATION PROPERLY SERVING THE ARCHITECTURE IN CONTRAST TO SOME REJECTED SKETCHES WHICH HAD THE ARCHITECTURE SUBMERGED IN WATERCOLORS.

H.T.TERZINO, CATHOLIC UNIVERSITY OF AMERICA - MENTION: THOROUGHLY ACADEMIC DESIGN, INDICATING GOOD USE OF LOCAL MATERIAL, RESIDENTIAL IN CHARACTER (IN THIS RESPECT, BETTER THAN LOHRMANN'S) AND WHILE NOT FLAMBOYANTLY MODERN WILL SURVIVE CHANGING STYLES AND MAINTAIN DIGNITY AND NEIGHBORHOOD ACCEPTABILITY.

R.D.WARNER - MENTION, AND W.BURGER - HALF MENTION, BOTH FROM THE UNIVERSITY OF ILLINOIS, ARE SLIGHTLY DIFFERENT IN PLAN, SPIRIT OTHERWISE SIMILAR IN SPITE OF WOOD VERSUS STONE. WOOD PRESENTS MAINTENANCE PROBLEM. THESE TWO SKETCHES ILLUSTRATE PREVIOUS CRITICISM OF SCALE IN PERSPECTIVE. WARNER'S SKETCH IS A REALISTIC, NORMAL VIEW, WHEREAS BURGER'S IS GOOD EXAMPLE OF EXAGGERATED PERSPECTIVE WHICH DISTORTS REAL DESIGN TO ITS DETRIMENT. IN THIS INSTANCE THE SECTION SAVED THE PROBLEM.

IV CONCLUSION: BY ITSELF NONE OF THE ELEMENTS DISCUSSED IN THESE COMMENTS IS SUFFICIENTLY IMPORTANT TO SWAY JUDGMENT, AN OVERALL IMPRESSION OF DESIGN ASSURANCE IS CREATED THROUGH THE MULTITUDE OF THEIR POSSIBLE COMBINATIONS.

SUMMARY OF AWARDS:

3 MENTION 19 HALF MENTION 396 NO AWARD 418 TOTAL SUBMITTED

CATHOLIC UNIVERSITY OF AMERICA: MENTION - H.J.TERZINO. HALF MENTION-
T.R.KEOGH, F.MAROON.

LAYTON SCHOOL, ARCHTL. ATELIER: HALF MENTION- M.KINNICH.

PENNSYLVANIA STATE COLLEGE: HALF MENTION- H.ANDERSON, W.H.SIPPEL.

PRINCETON UNIVERSITY: HALF MENTION- W.R.EVANS, M.G.MAYO

UNIVERSITY OF ILLINOIS, NAVY PIER, CHICAGO: HALF MENTION- S.ALTMAN,
D.E.MADGWICK.

UNIVERSITY OF ILLINOIS, URBANA: MENTION- K.J.LOHRMANN, R.D.WARNER.

HALF MENTION- W.BURGER, D.SCHOENROCK, J.T.WALLACE, E.H.HEALEY,
J.P.OAKLEY, W.C.SCHUBERT.

UNIVERSITY OF PENNSYLVANIA: E.S.CARR, R.F.ENGE, T.J.STOHLMAN, P.REGISTER.

PARTICIPANTS:

CATHOLIC UNIVERSITY OF AMERICA

CHICAGO ARCHITECTURAL CLUB

LAYTON SCHOOL OF ART, ARCHTL. ATELIER

PENNSYLVANIA STATE COLLEGE

PRINCETON UNIVERSITY

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UNIVERSITY OF PENNSYLVANIA

WESTERN RESERVE UNIV, CLEVELAND

UNAFFILIATED: ASHVILLE, N.C.

TUCSON, ARIZONA

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NOVEMBER 11, 1948

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| 4. H.J.TERZINO, CATHOLIC UNIVERSITY OF AMERICA | MENTION |
| 5. R.D.WARNER, UNIVERSITY OF ILLINOIS | MENTION |
| 6. W.BURGER, UNIVERSITY OF ILLINOIS | HALF MENTION |

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BEAUX-ARTS INSTITUTE OF DESIGN

115 East 40th Street, New York 16, N. Y.

DEPARTMENT OF ARCHITECTURE—1948-1949—FIFTY-SIXTH SCHOOL YEAR

AUTHOR Program issued —November 1, 1948
Final drawings to be submitted —November 12, 1948
Judgment will be held in the week of—December 6-10, 1948

JURY OF AWARD — **EMERSON PRIZE—A COMMEMORATIVE WATER DISPLAY** Author — W. Frederick Stohlman, Princeton, N. J.

MAX ABRAMOVITZ

Mr. W. Frederick Stohlman received the degrees A.B., M.A. and M.F.A. from Princeton University. He is at present Associate Professor of Art and Archaeology and lectures on Renaissance and Modern Sculpture. He has published articles in "The Arts" and in the "Art Bulletin" on stained glass and enamels and prepared the catalogue of the enamels in the Museo Sacro for the Biblioteca Apostolica Vaticana.

A large metropolis had for a long time suffered from a water supply which was inadequate both in respect to quantity and quality. Now, thanks to the foresight of the municipal authorities, a new source of water, abundant and of good quality, has been brought into the city from far off hills. To celebrate the event it is proposed to erect a commemorative water display.

The water display is to be developed on a landscaped slope that extends between a civic plaza and the entrance to a large park. The available site terminates a long axis formed by a boulevard which ends in the plaza.

The park entrance is elevated 50 feet above the plaza. The rectangular area available for the water display fronts 100 feet along the plaza and extends 400 feet (in horizontal projection) to the park entrance above. Within these limits, any combination of slopes or falls may be used for the water display. Pedestrian connection between the two levels is not part of this problem.

Special attention should be given to the jets, streams

or falls of water, to their texture, speed of flow and to the variety of sound produced by them. The water display may include sculptural forms if desired. Since the water display is to celebrate an abundance of water, it is proposed that it run continuously day and night, and adequate provision for decorative lighting should be made.

The purpose of the program is to give the student an opportunity to design in a medium which is in motion. Special consideration should therefore be given to the three dimensional aspect of the water display. The static elements should be used in contrast to the motion of the water.

REQUIRED DRAWINGS:

(Size 31" x 40" inclusive of 1/2" border on all sides.)

Elevation at the scale of 1/4" to the foot, of the water display as seen at night.

Plan, in line only, at the scale of 1/32" to the foot.

Section, in line only, at the scale of 1/16" to the foot.

NOTE: A record of the dates selected for this problem by each supervisor and school must be forwarded to the Beaux-Arts Institute of Design as soon as determined.

The text of all programs must be kept confidential before they are issued.

Final drawings shall have a half inch unrendered border on all sides.

Drawings will be eliminated from the judgment for infringements of the following:

- NIGHT:** (a) Violation of requirements, or failure to pay the registration fee.
A BOUL: (b) Indefinite, illegible or insufficient indication of the solution of the problem in the final drawing.
FAVE B: (c) Omission or variation from the fixed requirements of the program.
(d) Failure to indicate the identifying elements as may be called for in any program.

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—November 12, 1948
—November 1, 1948

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EMERSON PRIZE
A COMMEMORATIVE WATER DISPLAY

AUTHOR - W. FREDERICK STOHLMAN, PRINCETON, N.J.

JURY OF AWARD - DECEMBER 6, 1948

MAX ABRAMOVITZ
A. F. BRINCKERHOFF
HOWARD CHAPMAN

JULIAN E. GARNSEY
ALFRED GEIFFERT
HARMON H. GOLDSTONE
L. BANCEL LAFARGE

MORRIS LAPIDUS
LEO LENTELLI
ALEXANDER P. MORGAN

SCHOOL REPRESENTATIVES: ELMER LOVE, UNIVERSITY OF ILLINOIS, URBANA

PARTICIPANTS:

PENNSYLVANIA STATE COLLEGE
PRINCETON UNIVERSITY
UNIVERSITY OF ILLINOIS, URBANA

UNIVERSITY OF PENNSYLVANIA
WESTERN RESERVE UNIVERSITY, CLEVELAND

REPORT OF THE JURY - BY MORRIS LAPIDUS

BEFORE DISCUSSING THE MERITS OR SHORTCOMINGS OF THE EMERSON PRIZE DRAWINGS, IT IS WELL TO OUTLINE WHAT THE JURY FELT WERE THE IMPORTANT FEATURES TO BE SOUGHT IN THE DESIGNS.

THE PROGRAM STATES THAT THE COMMEMORATIVE DISPLAY IS TO BE IN A LARGE METROPOLIS. IT WAS FELT THAT FOR A CITY SO DESCRIBED THE DESIGNS HAD TO REFLECT A CERTAIN DIGNITY AND CIVIC SCALE WHICH MIGHT NOT HAVE BEEN SO IMPORTANT IF THE CITY HAD BEEN SMALL. THE PROGRAM STATES THAT THE WATER DISPLAY TERMINATES A BOULEVARD; THIS IMPLIES A CHARACTER AND SIZE WHICH WOULD MAKE IT VISIBLE AT A COMPARATIVELY GREAT DISTANCE. THE PROGRAM FURTHER STATES THAT THE SITE OCCURS BETWEEN A CIVIC PLAZA AND THE ENTRANCE TO A LARGE PARK, WHICH SUGGESTS THAT THE AREA TO BE DEVELOPED MUST BE ONE WHICH WOULD BE SUITABLE FOR A PUBLIC PROMENADE, MAKING THE WATER DISPLAY SOMETHING TO BE SEEN AT CLOSE RANGE AS WELL AS FROM A DISTANCE. DRAMATIC LIGHTING AT NIGHT WAS ALSO AN INTEGRAL PART OF THE PROBLEM. FINALLY, THE PROGRAM POINTS OUT THAT THIS IS A COMMEMORATIVE WATER DISPLAY, WHICH IMPLIES A CERTAIN MONUMENTAL QUALITY.

TO SUM UP, THE WATER DISPLAY AND THE SURROUNDING LANDSCAPE SHOULD HAVE BEEN DEVELOPED TO MAKE AN INTERESTING AND IMPOSING COMPOSITION BOTH BY DAY AND AT NIGHT; IT SHOULD HAVE COUNTED BOTH AS A MONUMENTAL FOCAL POINT FOR THE END OF A BOULEVARD AND HAVE BEEN EQUALLY INTERESTING TO PEDESTRIANS AT CLOSE RANGE. MOST CERTAINLY THE CENTRAL FEATURE SEEN FROM ANY DISTANCE WOULD AND SHOULD HAVE BEEN THE WATER ITSELF.

THE JURY REGRETTED THE PAUCITY OF SCULPTURAL FORMS USED IN THE DESIGNS SINCE THE GREAT WATERWORKS OF THE PAST HAVE USUALLY EXPLOITED THE ESTHETIC POSSIBILITIES OF COMBINING SCULPTURE AND MOVING WATER, AS WELL AS THE REFLECTION OF SCULPTURAL FORMS IN POOLS.

IN ALL DESIGNS THE JURY LOOKED FOR A STRONG EXPRESSION OF THE WATER ITSELF TO SUGGEST THE ABUNDANCE WHICH THE PROGRAM CALLS FOR. TOO MANY OF THE DESIGNS MADE THE WATER DISPLAY AN INCIDENTAL PART RATHER THAN THE FOCUS WHETHER SEEN FROM A DISTANCE OR CLOSE UP. THE JURY FELT THAT A PROGRAM OF THIS TYPE CALLED FOR A BOLD AND IMAGINATIVE APPROACH, AND THE DRAWINGS SEEM TO INDICATE A CERTAIN LACK BOTH OF A SENSE OF DRAMA AND OF THE CREATIVE IMAGINATION WHICH WOULD APPEAL TO THE MAN IN THE STREET.

THE DESIGN OF K.R.HOLMES, UNIVERSITY OF PENNSYLVANIA, SECOND MEDAL, WAS A PLEASING COMPOSITION AS A RUSTIC WATERFALL, THOUGH IT LACKED COMMEMORATIVE QUALITIES. THE ONE FORMAL PIECE OF SCULPTURE SEEMS TO BE OUT OF PLACE WITH THE ALMOST BUCOLIC FEELING OF THE REST OF THE DESIGN. THE DRAWING SHOWS A WELL-STUDIED UNDERSTANDING OF THE MOVEMENT OF WATER OVER NATURAL FORMS. THE EFFECTIVENESS OF THE TALL FOUNTAIN SPRAYS AT THE REAR IS QUESTIONABLE AS A VISIBLE ELEMENT DURING THE DAY.

R.W.MARSHALL, UNIVERSITY OF ILLINOIS, SECOND MEDAL: THIS DESIGN SUCCEEDS IN CREATING A MONUMENTAL EFFECT WITH WATER WHICH WOULD BE AN EFFECTIVE TERMINUS FOR THE BOULEVARD. THE SIDE SPRAYS WOULD BE INTERESTING FOR PEDESTRIANS TO OBSERVE. THE DESIGN SEEMS WEAK IN AN ARCHITECTURAL SENSE, AND IN THE STUDY OF THE LANDSCAPING. ALTHOUGH THE USE OF WATER IS PERHAPS OVER-SIMPLIFIED, IT HAS A STRONG MONUMENTAL FEELING.

F.H.HILL, PRINCETON UNIVERSITY, SECOND MEDAL: ALTHOUGH THIS DESIGN SEEMS TO HAVE IGNORED COMPLETELY THE ENTOURAGE, SINCE NONE IS SHOWN, THE USE OF WATER TO CREATE A DRAMATIC AND SPECTACULAR EFFECT IS COMMENDABLE. THE CAREFULLY STUDIED SCHEME OF THE WATER AND THE SCULPTURAL FORMS THAT CAN BE OBTAINED BY ITS CONTROLLED MOVEMENT WOULD MAKE AN INTERESTING AND EXCITING SPECTACLE BOTH AT A DISTANCE AND ON CLOSE INSPECTION.

R.G.KNOPP, UNIVERSITY OF ILLINOIS, FIRST MEDAL: THIS DESIGN USES A SIMPLE AND DIRECT APPROACH BY CREATING A LARGE MASS OF FALLING WATER WHICH WOULD MAKE AN IMPORTANT FEATURE FOR THE END OF THE BOULEVARD. THE WATER, FALLING FREE OVER A LEDGE, WOULD HAVE PLENTY OF PLAY AND SPARKLE TO GIVE INTEREST DURING THE DAY AND AFFORDS WONDERFUL OPPORTUNITIES FOR ILLUMINATION AT NIGHT. THE STAIRWAY BEHIND THE WATERFALL, THOUGH NOT DEVELOPED TO ITS FULL POSSIBILITIES, WOULD BE AN INTERESTING FEATURE FOR PEDESTRIANS. THE CONTRAST BETWEEN THE RATHER PLACID CURTAIN OF FALLING WATER AND THE SHORT BUT TURBULENT WATERFALL IN THE FOREGROUND IS INTERESTING. THE WELL PLACED SCULPTURAL PIECE GIVES THE ENTIRE COMPOSITION A COMMEMORATIVE QUALITY.

R.S.TAYLOR, PRINCETON UNIVERSITY, FIRST MEDAL AND EMERSON PRIZE, IS MOST SUCCESSFUL IN ACHIEVING A SIMPLE AND IMPOSING VISUAL STORY OF AN ABUNDANCE OF WATER AS SEEN FROM THE BOULEVARD. THE DEPRESSED PLAZA GIVES THE WHOLE COMPOSITION AN INTEREST ACHIEVED BY NONE OF THE OTHER COMPETITORS. RATHER THAN SPREADING THE WATER OVER THE ENTIRE AREA WITHIN THE COMPOSITION, THIS DESIGN USES ONE IMPOSING WATERFALL AND THEN, WITH A PLEASING CHANGE OF PACE, CREATES REFLECTING POOLS WITHIN A DIGNIFIED AND ATTRACTIVE PLAZA. BY ALLOWING THE WATERFALL TO DROP WELL BELOW THE LEVEL OF THE STREET A FEELING OF ENDLESS MOTION WOULD BE ACHIEVED ON VIEWING THIS PROJECT AT A DISTANCE, SINCE THE WATER WOULD SEEM LITERALLY TO BE SINKING INTO THE GROUND. THE PLACING OF THE PLEASING FOUNTAIN

OFF AXIS SHOWS THE CAREFUL STUDY THAT WENT INTO THIS DESIGN, SINCE BY PLACING THE FOUNTAIN ON THE RIGHT OF THE PLAZA, IT ACTUALLY IS ON THE AXIS OF APPROACHING VEHICULAR TRAFFIC. THE USE OF THE WATER SPOUTS IN COMBINATION WITH LIGHTING WOULD GIVE DRAMATIC INTEREST TO A SIMPLE IMPOSING AND DIGNIFIED COMMEMORATIVE WATER DISPLAY.

SUMMARY OF AWARDS:

2 FIRST MEDAL 3 SECOND MEDAL 25 MENTION 101 NO AWARD 131 TOTAL

PENNSYLVANIA STATE COLLEGE: MENTION- H.B.GATES, JR., E.G.REVNESS.

PRINCETON UNIVERSITY: FIRST MEDAL AND EMERSON PRIZE- R.S.TAYLOR.

SECOND MEDAL- F.H.HILL. MENTION- I.T.CHANG, G.H.DEXTER, J.R.DIEHL, V.GONZALEZ.

UNIVERSITY OF ILLINOIS, URBANA: FIRST MEDAL- R.G.KNOPP. SECOND MEDAL-R.W.MARSHALL. MENTION- M.B.AFFRIME, R.K.ALBYN, C.E.ASBURY, G.B.COX, C.D.FAULKNER, JR., E.P.GRAHAM, J.J.JORDAN, P.J.KLUMB, JR., H.L.RICE, D.SCHLICKAN, N.S.SUTER, JR., E.K.USHER, J.J.TYRRELL.

UNIVERSITY OF PENNSYLVANIA: SECOND MEDAL- K.R.HOLMES. MENTION- D.R.BEESON, JR. G.FAN, A.POLINGER, B.POLIS, S.F.SHIELDS, L.S.SINOPULOS

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DECEMBER 6, 1948

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8. R.G.KNOPP, UNIVERSITY OF ILLINOIS		FIRST MEDAL
9. K.R.HOLMES, UNIVERSITY OF PENNSYLVANIA		SECOND MEDAL
10. R.W.MARSHALL, UNIVERSITY OF ILLINOIS		SECOND MEDAL
11. F.H.HILL, PRINCETON UNIVERSITY		SECOND MEDAL

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CLASS C PROBLEM I
A MUNICIPAL EXHIBIT AND INFORMATION CENTER
AUTHOR - GEORGE NEMENY, NEW YORK, N.Y.

JURY OF AWARD - DECEMBER 6, 1948

WM. F. R. BALLARD
PHILIP G. BARTLETT
CHARLES W. BEESTON
HOWARD GREENLEY

A. MUSGRAVE HYDE
WILLIAM JENSEN
SEYMOUR R. JOSEPH

GEORGE NEMENY
ROBERT FITCH SMITH
HAROLD STERNER

SCHOOL REPRESENTATIVES: EDWARD R. DEZURKO, THE RICE INSTITUTE
ELMER LOVE, UNIVERSITY OF ILLINOIS, URBANA
MILTON SCHWARTZ, UNIVERSITY OF PENNSYLVANIA

PARTICIPANTS:

ATELIER HOLABIRD, ROOT, BURGEE
LAYTON SCHOOL OF ART, ARCHTL. ATELIER
OKLAHOMA AGRIC. & MECH. COLLEGE
RICE INSTITUTE
SAN FRANCISCO ARCHITECTURAL CLUB
T SQUARE CLUB OF PHILADELPHIA

UNIVERSITY OF ILLINOIS, NAVY PIER, CHICAGO
UNIVERSITY OF ILLINOIS, URBANA
UNIVERSITY OF NOTRE DAME
UNIVERSITY OF PENNSYLVANIA
WESTERN RESERVE UNIVERSITY, CLEVELAND
UNAFFILIATED: TUCSON, ARIZ.

REPORT OF THE JURY - BY SEYMOUR R. JOSEPH

THE PROBLEMS WERE JUDGED PRIMARILY ON THE FOLLOWING CONSIDERATIONS:

1. A SIMPLE WORKING ARRANGEMENT OF PLAN ELEMENTS.
2. RELATIONSHIP OF BUILDING TO SITE.
3. CHARACTER OF THE EXTERIOR.

THE PROGRAM CALLED FOR TWO ESSENTIAL ELEMENTS: AN EXHIBIT HALL AND A SERVICE AREA. THE SIMPLE MASSING OF THESE TWO ELEMENTS WITH PROPER EMPHASIS ON THE EXHIBIT HALL WAS CONSIDERED MANDATORY. THE REQUIRED AREAS OF 1200 SQ.FT. FOR THE EXHIBIT HALL AND 750 SQ.FT. FOR THE SERVICE AREA SHOULD AT ONCE HAVE GIVEN THE STUDENT THE SCALE FOR BOTH FLOOR PLANS AND ELEVATIONS. FROM THE GIVEN AREAS ALONE ONE SHOULD AUTOMATICALLY SENSE THE IMPORTANCE OF THE EXHIBIT HALL, AND YET MANY PROBLEMS BECAME INVOLVED IN PLAN AND OVER-EMPHASIZED THE SERVICE AREA. WHEN THIS OCCURRED, THE EXTERIORS SUFFERED ACCORDINGLY.

SEVERAL SUBMISSIONS MADE THE INFORMATION DESK A PART OF THE CLERK'S OFFICE. THIS OFFERED A GOOD CONTROL CENTER AND WOULD MAKE POSSIBLE A SAVING IN PERSONNEL - AN IMPORTANT CONSIDERATION IN A SMALL CITY OF 70,000.

MANY STUDENTS DID NOT DEVELOP THE ENTIRE LOT OR DID NOT USE IT TO ADVANTAGE TO ENHANCE THE BUILDING. DUE TO THE CLOSE PROXIMITY OF THE PUBLIC LIBRARY, THE JURY THOUGHT THE EXHIBIT HALL SHOULD BE VISIBLE FROM THE CORNER, FACING THE SIDE STREET AND/OR THE MAIN THOROUGHFARE. MOST OF THE PROBLEMS PLACED THE SERVICE AREA AT THE CORNER WITH THE EXHIBIT HALL FACING THE LIBRARY. THIS TYPE OF PARTI, IN MOST CASES, WOULD REDUCE VISIBILITY OF THE MAJOR ELEMENT FROM THE CORNER.

BEAUX-ARTS INSTITUTE OF DESIGN

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Program issued and completed in any

Five Consecutive Weeks between —September 13, 1948—November 22, 1948

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CLASS C PROBLEM I—A MUNICIPAL EXHIBIT AND INFORMATION CENTER

Author — George Nemeny, New York, N. Y.

WAS OMITTED IN MOST OF THE ENTRIES.

Mr. George Nemeny studied at Cornell University College of Architecture, and started his practice in 1938. His experience includes housing projects, homes, clinics, industrial and commercial work. In 1946 he was the winner of the second prize for the best small house since 1936 given by the New York State Association of Architects. Mr. Nemeny was a visiting critic at the Yale University College of Architecture during the past school year. In 1947 he formed a partnership with A. W. Geller for the practice of architecture.

A city of about 70,000 has decided to erect a municipal exhibit and information center as part of its civic program.

The purpose of the building is to disseminate general information to visitors and to call attention to the city's accomplishments and its future growth. To promote the growth of a healthy, well-rounded community the city has prepared a city plan which includes present and future, business, residential, school and civic areas. Maps, models, and other means of displaying this plan are to be shown in this building.

The site provided is a level corner lot 100 by 150 feet deep. The 100 foot side fronts on the north side of a main thoroughfare, the 150 foot east property line is on a side street; to the west of the property is the land of the public library. This latter is set back 35 feet from the front and 15 feet from the side lot lines respectively.

Requirements:

Exhibit Hall: about 1200 sq. ft. to house city planning display and information desk.
Manager's Office: 150 sq. ft.
Clerical Workers' Office: 300 sq. ft.
Storage Room: 100 sq. ft.
Heating Room: (may be in basement)
Two small toilets for office personnel—also toilet facilities for the public.
Parking space for about 10 cars.

REQUIRED DRAWING: (Sheet size 31" x 40")

Floor plan at the scale of $\frac{1}{8}$ " to the foot showing entire lot and its development.

An exterior perspective—view taken five feet above grade approximately equivalent to $\frac{1}{4}$ " to the foot.

An interior bird's eye perspective with the roof cut away featuring the exhibit hall.

All elements must be designated by name on the plan and not by letter or numeral.

D.H. MOHAN, UNIVERSITY OF PENNSYLVANIA

THESE ARE THE ONLY TWO ENTRIES IN WHICH THE INFORMATION AREA ARE WELL ARTICULATED

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FUNCTIONING BOTH AS AN INFORMATION CENTER AND MUNICIPAL EXHIBIT, THE BUILDING SHOULD HAVE APPEARED INVITING. THIS EFFECT WAS ACCOMPLISHED IN SEVERAL PROBLEMS BY THE OPENING OF THE EXHIBIT HALL TO THE STREET AND THE PROVISION OF AN OUTDOOR EXHIBIT AREA. THE PROBLEMS INCORPORATING THIS FEATURE MADE AN HONEST ATTEMPT TO DEVELOP THE ENTIRE LOT TO BEST ADVANTAGE.

THE GENERAL CONSENSUS WAS THAT A BUILDING OF THIS TYPE SHOULD HAVE AN APPROPRIATE CIVIC CHARACTER. THE MAJORITY OF PROBLEMS LACKED THIS CHARACTER AND SUGGESTED STORES OR SHOWROOMS. AN IDENTIFICATION DEVICE, NAME, TITLE OR SIGN WAS OMITTED IN MOST OF THE ENTRIES.

VERY FEW SOLUTIONS DEVELOPED THE INTERIOR PERSPECTIVE OF THE EXHIBIT HALL. THE POSSIBILITIES OF VARIOUS METHODS FOR DISPLAY TECHNIQUES WERE NOT FULLY EXPLORED.

H.C.YOUNG, UNIVERSITY OF ILLINOIS, FIRST MENTION PLACED: THE OUTDOOR EXHIBIT SPACE ADJOINING THE EXHIBIT HALL WAS NICELY HANDLED AND WOULD WORK EXCEEDINGLY WELL. MOST OF THE PROBLEMS THAT OFFERED A SIMILAR IDEA DID NOT PROVIDE THE PRIVACY WHICH AN AREA OF THIS NATURE SHOULD HAVE. SIMPLICITY OF BUILDING MASS WAS ATTAINED THROUGH THE USE OF ONE CEILING HEIGHT, ALTHOUGH SOME MEMBERS OF THE JURY OBJECTED TO THE EXCESSIVE HEIGHT OVER THE SERVICE ELEMENTS.

E.LEUCHT, UNIVERSITY OF ILLINOIS, FIRST MENTION PLACED: THE PROVISION OF A CONTINUOUS INFORMATION COUNTER FROM THE CLERK'S OFFICE, CONTROLLING THE EXHIBIT HALL, IS AN INTELLIGENT SOLUTION FOR A BUILDING OF THIS SIZE. THIS WAS ONE OF THE FEW PROBLEMS THAT DEVELOPED THE EXHIBIT HALL INTERIOR TO ADVANTAGE. THE EXTERIOR LACKED CHARACTER AND WAS NOT FULLY WORKED OUT.

H.KOOPMAN, UNIVERSITY OF ILLINOIS, FIRST MENTION PLACED: IN THIS SOLUTION THE PLAN ARRANGEMENT WAS SIMPLE BUT NOT AS WELL DEVELOPED AS IN THE PREVIOUS PROBLEM. THIS WAS ONE OF THE FEW SUBMISSIONS THAT INCORPORATED AN IDENTIFYING SIGN AT THE ENTRANCE. THE OUTDOOR EXHIBIT WAS WELL LOCATED FACING THE LIBRARY. THE USE OF GLASS WAS CONSIDERED EXCESSIVE.

D.H.MAHAN, UNIVERSITY OF PENNSYLVANIA, FIRST MENTION PLACED: THE INFORMATION DESK WAS WELL LOCATED IN THIS SOLUTION. SERVICES AS A GROUP AND THE EXHIBITION AREA ARE WELL ARTICULATED. THE EXTERIOR HAS DIGNITY THROUGH UTMOST SIMPLICITY AND GOOD PROPORTION.

R.SCUDIERI, UNIVERSITY OF PENNSYLVANIA, FIRST MENTION: THE PARABOLIC SHAPE OF THE EXHIBIT HALL IS QUITE INTERESTING AND THE ONLY ONE OF ITS TYPE SUBMITTED. THE PHOTO-MURAL SUGGESTION ON THE CEILING OF THE EXHIBIT HALL COULD BE SEEN BOTH FROM INDOORS AND OUT.

THE TRANSITION BETWEEN THE PARABOLIC SHAPE AND THE RECTANGULAR SERVICE BLOCK WAS NICELY HANDLED, THOUGH IT WOULD HAVE BEEN NICER TO SEE THE PARABOLIC SHAPE WITHOUT ANY ATTACHED ELEMENTS. THE SUGGESTION OF AN OUTDOOR EXHIBIT AREA WAS NOT FULLY DEVELOPED. THIS SOLUTION WAS POSSIBLY A LITTLE TOO ELABORATE FOR A SMALL CITY.

SUMMARY OF AWARDS:

4 FIRST MENTION PLACED 6 FIRST MENTION 81 MENTION 209 NO AWARD 300 TOTAL

OKLAHOMA AGRIC. & MECH. COLLEGE: MENTION- W.H.HARDWICK, M.MORRIS,
R.L.ROBINSON.
THE RICE INSTITUTE: MENTION- E.C.JAHN, C.E.LOWE, J.L.MCKNIGHT, A.W.NEWTON,
C.G.WALTON.
SAN FRANCISCO ARCHITECTURAL CLUB: MENTION- C.DENNIS
UNIVERSITY OF ILLINOIS, NAVY PIER, CHICAGO: MENTION- K.C.NASLUND, W.G.QUAM,
E.J.WALSH.
UNIVERSITY OF ILLINOIS, URBANA: FIRST MENTION PLACED- H.KOOPMAN, E.E.LEUCHT,
H.C.YOUNG. FIRST MENTION- H.I.BERGEIM, D.T.DENNIS, S.B.DENTON, R.S.KOTLARZ
G.W.SCHUETTE. MENTION- A.L.BACKLIN, P.K.BENOLIEL, S.B.BERRY, D.N.BLODGETT
L.C.BOYCE, M.J.CANTOR, C.B.CHAI, M.L.CRAMEY, J.W.DIMMICH, G.S.GUNGEN,
W.A.HEALY, H.R.HECKMANN, J.D.HOPKINS, M.P.JABLONICKY, H.A.JACOBS,
R.E.KAIN, H.E.KESSLER, J.P.KIBBE, H.J.KOCA, J.H.KRIEGER, F.T.KUBITZ,
K.LAUMER, J.A.LINDER, W.G.LOSCH, B.MALEKOVIC, R.K.MALM, E.T.MAZUR, JR.
F.E.PANNONE, G.A.PARENTI, M.POLIN, D.K.PYLE, R.J.RASMUSSEN, R.O.ROY,
J.P.SAMPSON, D.SCHOENROCK, D.H.SIEG, M.J.SIEGEL, E.W.SWEETNAM, JR.
R.S.THOMPSON, C.R.WAGNER, J.T.WALLACE, JR., J.R.WALLERIUS, L.WICKLUND,
J.T.WIENCK, R.E.WILLIAMS, G.C.WINTEROWD, J.M.WRAY, JR.
UNIVERSITY OF NOTRE DAME: MENTION- R.S.KIRK.
UNIVERSITY OF PENNSYLVANIA: FIRST MENTION PLACED- D.H.MAHAN. FIRST MENTION-
R.S.CUDIERY. MENTION- C.AURITI, S.E.BATSON, JR., J.P.BELLI, S.S.BLUMER,
S.CROTHERS, 3RD, P.M.COPE, JR., J.D.DILULLO, J.F.GLASS, H.V.HESSER,
E.HIGGINS, P.KIRBY, M.E.KUO, V.P.MACALISTER, M.P.MARCELLI, M.D.PETRIDES,
P.D.SHERIN, E.B.TODD, R.A.WENGER, JR., W.L.WINCHELL.
WESTERN RESERVE UNIVERSITY, CLEVELAND: MENTION- L.B.EYSTER, E.J.MONROE.

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304 East 44th Street, New York 17, N. Y.

DEPARTMENT OF ARCHITECTURE—1948-1949—FIFTY-SIXTH SCHOOL YEAR

Program issued and completed in any
Five Consecutive Weeks between —September 13, 1948—November 22, 1948
Judgment will be held in the week of—December 6-10, 1948

CLASS A PROBLEM I—A PILOT PLANT BUILDING

Author — Roland A. Wank, New York, N. Y.

Mr. Wank studied at the Academy of Beaux Arts and Royal Technical University, Budapest; Technical University, Brno, Czechoslovakia, and holds the degree of Architectural Engineer. Mr. Wank entered practice in 1919 abroad and later came to the United States, practicing in Miami. From 1927 to 1932 he was chief designer for Fellheimer and Wagner in New York City. From 1933 to 1944 Mr. Wank was head architect for the Tennessee Valley Authority and still serves as Architectural Consultant to TVA. The following year he spent with Albert Kahn Associates of Detroit and returned to New York in 1945 to associate again with Fellheimer & Wagner. Mr. Wank has contributed to magazines and prepared text books on industrial buildings, hydroelectric plants, powerhouses, prefabrication, housing and city planning. He has given lectures, delivered addresses before industrial and civic organizations, served on juries, and as design critic.

PURPOSE OF BUILDING

New industrial processes, after laboratory development, are tested on a "semi-works" scale to iron out technical wrinkles, to obtain estimates of production costs, and to procure initial quantities of new products for experimental use and criticism by potential consumers. Data so obtained permit the manufacturer to size up the probable market and plan his investment accordingly, before he proceeds to a full-scale production plant.

A pilot plant building must therefore be adapted to convenient installation of reduced size production apparatus, to servicing with a great variety of utilities and raw materials, to alteration and eventual removal of apparatus after test runs.

In most chemical industries the experimental production equipment takes the shape of vertical assemblies of kettles, columns, compressors, fans, mixers, driers, grinders and similar items. The total height of units may be several stories, while the floor area occupied is relatively small. A pilot plant building may therefore accommodate several different units side by side.

GENERAL REQUIREMENTS

It is evident from the foregoing that in a pilot plant of any size the work of constructing, altering or dismantling production units is practically continuous; therefore, provision must be made for convenient handling of component elements of the assemblies into, about, and out of the structure.

The general vertical arrangement of the assemblies is best accommodated by an open well extending through several stories, with adjacent solid floors or balconies for auxiliary items and for easy access at several levels.

Since utmost flexibility is implied in the nature of the problem, provision should be made for rapid attachment or dismantling of structural elements supporting the production equipment, pipes, conduit and ventilating ducts along the perimeter of the well at various levels, at columns and walls, and at the floor of the lowest story.

Many processes result in fumes, strong odors, noxious, inflammable or explosive gases—either normally or in case of equipment failure. Some of these are lighter, others heavier than air. Ventilation, both natural and artificial, is therefore of prime importance.

Processes are frequently hazardous, especially during their experimental stages. Exit facilities must therefore be ample, safe and well distributed.

Although most production processes are either continuous or cyclical and therefore must be scheduled without regard to daylight, a maximum of daylighting is desirable for erection and dismantling.

SITE

The site is a level piece of ground within an industrial plant area, bounded by paved roads. It is a rectangle measuring 200 feet in an east-west and 400 feet in a north-south direction. Main access will be from the south for employees, deliveries, and utilities. Utilities which include steam from a central boiler house, will be brought in underground.

SPACE REQUIREMENTS

A Well measuring 20' x 80' with clear height from the ground floor to the underside of the crane hook of 50', accessible at floor levels around its entire perimeter.

Open Floor Space for auxiliary or control equipment, approximately 5,000 sq. ft. per floor at the second, third and fourth floor levels. This space to surround the open **Well** on all sides. Story heights: 14' from first to second, 12' for second, third and fourth floors. First floor should be 4'3" above paved driveway for truck delivery.

Fan Space at or near the top of the building for normal circulation of air with surplus space for temporary installation of special units required by processes: 2,400 to 3,000 sq. ft. in one or more areas. Clear height 14'.

Exhaust Pit 4' wide and 10' deep under first floor, with grating top, running on longitudinal center line of **Well** for removal of heavier-than-air gases, with adjacent fan room of 600 sq. ft. area.

Basement under entire building, primarily for distribution of utilities. Portions of basement directly underneath **Well** and **Open Floor Space** may be used for **Exhaust Pit** and for storage, but not for human occupancy.

Combined Freight and Passenger Elevator, shaft size 10' x 14' with doors at all levels, except at upper fan room; reasonably accessible to truck and crane, or at least to crane for transfer of objects to and from truck.

Stairs, located to place any occupied area between two stairshafts, one of which shall not be over 80' distant.

Space above Well for traveling crane used in erection and dismantling work, with clearance of 10' from hook to underside of roof beams, ducts, lighting fixtures or other obstructions. (Clearance from first floor to hook

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Author—Roland A. Wark, New York, N. Y.

Mr. Wark studied at the Academy of Beaux-Arts and Royal Technical University, Budapest; Technical University, Brno, Czechoslovakia, and holds the degree of Architectural Engineer. Mr. Wark entered practice in 1919 and has since then been active in the United States, working in Miami, Fla. from 1923 to 1932 and in New York City from 1933 to 1944. Mr. Wark was head architect for the Tennessee Valley Authority and still serves as Architectural Consultant to TVA. The following year he spent with Robert Kahn Associates of Detroit and returned to New York in 1945 to become again in partnership with Fellenberg & Wark. Mr. Wark has contributed to magazines and prepared two books on industrial buildings, a book on industrial and civic organizations, served on juries, and as design critic and city planning. He has given lectures delivered addresses before industrial and civic organizations, served on juries, and as design critic.

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SPACE REQUIREMENTS

A Well measuring 20' x 80' with clear height from the ground floor to the underside of the crane hook of 20', accessible at floor levels around its entire perimeter.

Open Floor Space for auxiliary or control equipment, approximately 5,000 sq. ft. per floor at the second, third and fourth floor levels. This space to surround the open Well on all sides. Story heights: 14' from first to second, 12' for second, third and fourth floors. First floor should be 4'3" above paved driveway for truck delivery.

Fan Space at or near the top of the building for normal circulation of air, with surplus space for temporary installation of special units required by processes: 2,400 to 3,000 sq. ft. in one or more areas. Clear height 14'.

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Basement under entire building, primarily for distribution of utilities. Portions of basement directly underneath Well and Open Floor Space may be used for Exhaust Pit and for storage, but not for human occupancy.

Combined Freight and Passenger Elevator, shaft size 10' x 14' with doors at all levels, except at upper fan room; reasonably accessible to truck and crane, or at least to crane for transfer of objects to and from truck.

Stairs, located to place any occupied area between two stair shafts, one of which shall not be over 80' distant.

Space above Well for traveling crane used in erection and dismantling work, with clearance of 10' from hook to underside of roof beams, ducts, lighting fixtures or other obstructions. (Clearance from first floor to hook

PURPOSE OF BUILDING

New industrial processes, often laboratory development are tested on a semi-work scale to iron out technical wrinkles to obtain estimates of production costs, and to procure initial quantities of new products for experimental use and criticism by potential consumers. Data so obtained permit the manufacturer to size up the probable market and plan his investment accordingly before he proceeds to a full-scale production plant.

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The general vertical arrangement of the assemblies is best accommodated by an open well extending through several stories, with adjacent solid floors or balconies for auxiliary items and for easy access at several levels.

Since utmost flexibility is implied in the nature of the problem, provision should be made for rapid attachment or dismantling of structural elements supporting the production equipment, pipes, conduits and venting ducts along the perimeter of the well at various levels, at corners and at the floor of the lowest story.

Many processes result in fumes, strong odors, noxious inflammable or explosive gases—either normally or in case of equipment failure. Some of these are lighter, others heavier than air. Ventilation, both natural and artificial, is therefore of prime importance.

Processes are frequently hazardous, especially during their experimental stages. Exit facilities must therefore be ample, safe and well distributed.

Rooms for controlled temperature and humidity: C room, 400 sq. ft.; low temperature cold room, 400 sq. ft.; two variable temperature and humidity rooms of 400 sq. ft. each; compressor and other mechanical equipment and controls, 600 sq. ft. Location, basement or first floor, no window. Accessibility to laboratories is desirable.

General Facilities: utilities room for valving and metering steam and water, air compressor, hot water tank, heat exchanger, electric meter and panel, etc., 800 sq. ft. in basement; janitor's headquarters, 200 sq. ft. in basement; janitor's closets distributed as needed; rooms for storage of ice and dry ice one per floor, 80 sq. ft. each; storage, 400 sq. ft. in basement and 80 sq. ft. on each floor; open alcove for fire fighting and emergency apparatus, about 80 sq. ft. each, one to each floor.

GENERAL INSTRUCTIONS

The space requirement given above are approximate. In judging submissions special attention will be paid to convenient handling of materials and equipment, safety as regards exits, daylighting and suitability of nature and artificial ventilation, convenience of employee movements and supervision, simplicity and clarity of structural scheme, and appearance. In respect to latter it may be pointed out that the requirements place plants and themselves to dramatic composition. The foregoing objectives are to be attained with as much economy as possible.

REQUIRED DRAWING: (Sheet size 31" x 40")

Plans of all floors and roof at the scale of 1/32". The roof.

Section selected to show main well and as many other significant aspects as possible at the scale of 1/16".

Partial section through well at right angles to Op.

Floor space at the scale of 1/16" to the foot. (Op.)

Floor space and Fan space should convey clear concept of structural system used in plant program.

Perspective view of building from any angle chosen by student at 1/16" scale at rear corner.

Two elevations showing side not covered by perspective at the scale of 1/32" to the foot.

All elements must be designated by name on the plans and not by letter or numeral.

DECIDED THAT A LIBERAL INTERPRETATION

USED - FAVORING THOSE STUDENTS

NOTE: A record of the dates selected for this problem by each supervisor and school must be forwarded to the Beaux-Arts Institute of Design as soon as determined.

The text of all programs must be kept confidential before they are issued.

Final drawings shall have a half inch unnumbered border on all sides.

Drawings will be eliminated from the judgment for infringement of the following:

- (a) Violation of requirements or failure to pay the registration fee.
- (b) Indefinite, illegible or insufficient indication of the solution of the problem in the final drawing.
- (c) Omission or variation from the fixed requirements of the program.
- (d) Failure to indicate the identifying elements as may be called for in any program.

Failure to comply with the requirements as stated in the Circular of Information for 1948-1949 shall exclude drawings from judgment. Copy will be sent on request.

Prizes may be withheld or subdivided at the discretion of the Jury.

EXPLOSION THE IN NOVEMBER 1948

20', as given under Well. Note that for convenient handling of heavy or bulky units cranes should be arranged to reach:

(a) Objects being delivered by truck or trailer, either while resting on the conveyance or within a short distance therefrom.

(b) Some pre-determined portions of the second, third and fourth floors, in addition to the first floor, portions of the floors being selected for reasonable accessibility from other parts of the open floor areas so that heavy items deposited there by means of cranes may be readily transferred to their destinations.

(c) Objects being reached by elevator within short distance from the elevator doors.

Electrical Switchboard Room, about 8' by 20', one on each floor, readily accessible from a stair landing.

Laboratories for analysis of material samples and for process control: 7 laboratory units of 12' x 30', each calculating office, 600 sq. ft.; record file room, 300 sq. ft.; supervisor's office, 180 sq. ft.; and a storage room of 180 sq. ft. located on first or second floor.

Administrative Offices: technical director, 360 sq. ft.; assistant or secretary, 360 sq. ft.; conference room, 250 sq. ft. Located on first or second floor.

Employee Facilities: small toilet and washrooms each floor; general locker room, showers, toilet and washroom for 120 male plant employees (which includes three shifts) on first floor or basement, with smoking lounge of 200 sq. ft.; locker room, toilet and washroom for 25 male and 15 female office and laboratory employees on first or second floor, first aid room with toilet, 400 sq. ft. planned for accessibility by elevator and by ambulance.

Shops: Carpentry, 450 sq. ft.; pipefitting, 450 sq. ft.; machine shop, 450 sq. ft.; electrical, 200 sq. ft.; welding, 200 sq. ft.; painting, 200 sq. ft.; storeroom, 450 sq. ft.; location, basement or first floor; if a basement, accessibility from ground level main well (Space Above Well) is provided by stairway, well or otherwise. However, space in basement may be used as storeroom.

50', as given under **Well**.) Note that for convenient handling of heavy or bulky units crane should be arranged to reach:

- (a) Objects being delivered by truck or trailer, either while resting on the conveyance or within a short distance therefrom.
- (b) Some pre-determined portions of the second, third and fourth floors (in addition to the first), these portions of the floors being selected for reasonable accessibility from other parts of the open floor areas so that heavy items deposited there by the crane may be readily transferred to their destinations.
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Electrical Switchboard Rooms, about 8' by 20', one on each floor, readily accessible from a stair landing.

Laboratories for analysis of materials samples and for process control: 7 laboratory units of 12' x 30' each; calculating office, 600 sq. ft.; record file room, 300 sq. ft.; supervisor's office, 180 sq. ft.; and a storage room of 180 sq. ft. located on first or second floor.

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Rooms for controlled temperature and humidity: Cold room, 400 sq. ft.; low temperature cold room, 400 sq. ft.; two variable temperature and humidity rooms of 400 sq. ft. each; compressors and other mechanical equipment and controls, 600 sq. ft. Location, basement or first floor, no windows. Accessibility to laboratories is desirable.

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Partial section through well at right-angles to **Open Floor Space** at the scale of 1/16" to the foot. (**Open Floor Space** and **Fan Space** should convey clear concept of structural system used in plant proper.)

Perspective view of building from any angle chosen by student at 1/16" scale at near corner.

Two elevations showing sides not covered by perspective at the scale of 1/32" to the foot.

All elements must be designated by name on the plan and not by letter or numeral.

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Drawings will be eliminated from the judgment for infringements of the following:

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Prizes may be withheld or subdivided at the discretion of the Jury.

CLASS A PROBLEM I
A PILOT PLANT BUILDING

AUTHOR - ROLAND A. WANK, NEW YORK, N.Y.

JURY OF AWARD - DECEMBER 7, 1948

LOUIS ABRAMSON
WILLIAM L. BOTTOMLEY
ARMISTEAD FITZHUGH

FREDERICK G. FROST, JR.
ROBERT S. HUTCHINS
JOSEPH JUDGE

MORRIS KETCHUM, JR.
ROBERT B. O'CONNOR
ROBERT FITCH SMITH

SCHOOL REPRESENTATIVES: ELMER LOVE, UNIVERSITY OF ILLINOIS, URBANA
GLEN PAULSEN, UNIVERSITY OF PENNSYLVANIA

PARTICIPANTS:

CATHOLIC UNIVERSITY OF AMERICA
GEORGIA SCHOOL OF TECHNOLOGY
UNIVERSITY OF ILLINOIS, URBANA

UNIVERSITY OF NOTRE DAME
UNIVERSITY OF PENNSYLVANIA
WESTERN RESERVE UNIVERSITY, CLEVELAND

REPORT OF THE JURY - By MORRIS KETCHUM, JR.

THE JURY FELT THE STUDENTS WERE CONFRONTED WITH A COMPLEX BUT STIMULATING PROBLEM AS OUTLINED IN THE PROGRAM, THE MAJORITY OF THE PROBLEMS SUBMITTED SHOWED A GOOD GRASP OF THE TECHNICAL ELEMENTS INVOLVED, SUCH AS CONVENIENT TRAFFIC ROUTES FOR INCOMING MATERIALS AND EQUIPMENT, SPACIAL ORGANIZATION BOTH VERTICALLY AND HORIZONTALLY OF THE BUILDING, AND THE NECESSITY FOR A STRAIGHT-FORWARD, CLEARLY FORMULATED STRUCTURE WITH WHICH TO INCLOSE THE SEVERAL FUNCTIONS INVOLVED. THE STUDENTS DID NOT DEMONSTRATE AS MUCH FACILITY IN THEIR APPLICATION OF PROGRAM REQUIREMENTS TO THE SITE. MANY FAILED TO REALIZE THAT THE REQUIREMENT OF THE PROGRAM THAT THE MAIN ACCESS FOR EMPLOYEES, DELIVERIES, AND UTILITIES, BE FROM THE SOUTH IMPLIED, IF STRICTLY INTERPRETED, THAT SUCH ACCESS SHOULD BE ALONG THE SOUTH BOUNDARY OF THE PLOT. THE JURY, AFTER SOME DISCUSSION, DECIDED THAT A LIBERAL INTERPRETATION OF THIS CLAUSE OF THE PROGRAM SHOULD BE USED - FAVORING THOSE STUDENTS WHOSE SOLUTIONS FOLLOWED THIS STIPULATION LITERALLY, BUT ALLOWING OTHERS, WHO UTILIZED THE EAST AND WEST BOUNDARIES OF THE PLOT FOR ACCESS, TO QUALIFY.

IN GENERAL IT WAS FELT THAT THOSE PROBLEMS IN WHICH THE OPERATING WELL OF THE PILOT PLANT WAS ORGANIZED AS A SEMI-INDEPENDENT STRUCTURE WITH SHOPS, LABORATORIES, AND ADMINISTRATIVE UNITS PLACED ADJACENT TO IT AT FIRST FLOOR LEVEL, OFFERED THE BEST FUNDAMENTAL APPROACH.

IN DETAIL, THE JURY CONSIDERED THE BEST SOLUTIONS WERE THOSE WHICH OFFERED A WELL ORGANIZED SERVICE COURT FOR TRUCKS ADJACENT TO THE OPERATING WELL. THEY ALSO LIKED SEEING THE SHOPS LOCATED IN CLOSE PROXIMITY TO BOTH THE WELL AND TRUCK UNLOADING AREA, AND THE ADMINISTRATIVE OFFICES AND LABORATORIES PLACED IN A SEGREGATED SECTION OF THE BUILDING CLOSELY ADJACENT TO THE OPERATING WELL AND, PREFERABLY, AT FIRST FLOOR LEVEL. THIS WOULD FACILITATE EASY EXIT IN CASE OF EXPLOSION IN THE OPERATING WELL, AND FIRE EXIT STAIRS WOULD THEN BE NEEDED TO SERVE ONLY THAT PORTION OF THE BUILDING PERSONNEL WORKING ON THE UPPER LEVELS.

THEY LOOKED FOR FACILITIES FOR EMPLOYEE PARKING AND EMPLOYEE SERVICES ADJACENT TO THE WELL AND TRUCKING COURT, SUCH A PLAN ARRANGEMENT PRODUCING A SAFER AND BETTER OPERATING BUILDING THAN THOSE WHICH GROUPED ALL THE ELEMENTS OF THE BUILDING AROUND THE PERIMETER OF THE OPERATING WELL. AT THE SAME TIME, REQUIREMENTS OF MAXIMUM LIGHT AND AIR WERE ALSO BEST SERVED BY THIS ARRANGEMENT.

COMMENTS ON PROBLEMS - BY ROBERT S. HUTCHINS

T.H.TSAI, UNIVERSITY OF ILLINOIS - FIRST MEDAL: THE JURY ADMIRERD THIS PROBLEM FOR THE GOOD RELATION OF ITS ELEMENTS, PARTICULARLY THE PLACEMENT OF THE SHOPS AND WORKERS' QUARTERS IN RELATION TO THE WELL. THE CLOSE PROXIMITY OF THE LABORATORIES AND ADMINISTRATION OFFICES WAS CONSIDERED DESIRABLE. THE SEPARATION BY FIRE DOORS OF ONE AREA FROM ANOTHER AND THE FACT THAT THE STAIRS ARE PROPERLY ENCLOSED ALL DESERVE ATTENTION. THE ELEVATION IS SIMPLE AND REALISTIC EXCEPT IN THE EXPRESSION OF THE TOP STORY. THERE IS NO INDICATION OF ANY EFFORT TO SOLVE THE HANDLING OF EQUIPMENT BY CRANE TO THE VARIOUS FLOOR LEVELS.

L.DeMOLL, UNIVERSITY OF PENNSYLVANIA - SECOND MEDAL: THIS PROBLEM WAS ADMIRERD FOR A VERY WORKABLE SOLUTION IN PLAN WITH AN EXCELLENT ORGANIZATION OF ELEMENTS. AS NOTED ABOVE THERE WAS SOME DOUBT IN THE MINDS OF THE JURY AS TO WHETHER THE EASTERN ENTRANCE FOR DELIVERIES INDICATED THAT THE PROGRAM HAD BEEN AS WELL SOLVED AS IN THOSE PROBLEMS WHICH HAD ACCEPTED A SOUTHERN APPROACH, THE ELEVATION WAS CRITICIZED FOR EXPRESSING THE TOP-MOST STORY HOUSING FAN, VENTILATION AND CRANE EQUIPMENT IN A MANNER IDENTICAL WITH THE SECOND, THIRD AND FOURTH STORIES.

G.WEIDENKELLER, UNIVERSITY OF PENNSYLVANIA - SECOND MEDAL: THE JURY LIKED THE ATTENTION GIVEN TO THE POSSIBLE METHOD OF CONTROLLING SUNLIGHT BY USING VERTICAL FINS. THERE WERE, IN MANY SOLUTIONS, VARIOUS ATTEMPTS MADE TO SOLVE THE PROBLEM OF DELIVERY BY CRANE TO VARIOUS FLOOR LEVELS OF THE OPEN WELL. THIS PROBLEM WOULD HAVE SOLVED IT SIMPLY AND REASONABLY BY OFFSETTING ONLY ONE END OF THE WELL, PROVIDED IT WERE POSSIBLE TO MOVE THE CRANE FAR ENOUGH TO SERVICE THIS AREA. THE SECTION SEEMS TO INDICATE, HOWEVER, THAT THE CRANE WOULD BE USELESS AT THE NORTH END OF THE WELL. THE ELEVATION PROVIDES FOR A DIFFERENT TREATMENT OF THE FAN AND VENTILATING PENTHOUSE THAN FOR THE REMAINING LOWER STORIES WHICH IS TO BE COMMENDED.

R.K.ALBYN, UNIVERSITY OF ILLINOIS - SECOND MEDAL: THIS WAS ONE OF THE FEW PROBLEMS WHICH PROVIDED A WELL WORKED OUT COMPACT SCHEME IN WHICH THE WELL WAS SURROUNDED BY THE ACCESSORY AREAS ON THE FIRST FLOOR. THE ELEVATIONS WERE WELL STUDIED AND IT IS A MOST CAREFULLY PRESENTED SOLUTION. EXITS ARE WELL ARRANGED TO PROVIDE FOR EGRESS IN EMERGENCY, ALSO THE CORRIDOR SERVING THE LABORATORIES IS INDICATED TO PERMIT ITS BEING SHUT OFF FROM THE WELL AREA ITSELF. THE HANDLING OF EQUIPMENT BY THE CRANE IS WELL STUDIED.

J.G.REPLINGER, UNIVERSITY OF ILLINOIS - SECOND MEDAL: A WELL ORGANIZED PLAN, PERHAPS WITH A QUESTIONABLE RELATION OF THE CALCULATING OFFICE AND THE LABORATORIES, SINCE IT WOULD REQUIRE THAT WORKERS IN THE LABORATORIES PASS THROUGH THE ADMINISTRATION CORRIDOR. ELEVATION WAS CRITICIZED FOR ITS IDENTICAL EXPRESSION OF THE TOP STORY. THERE WAS MINOR CRITICISM OF THE FORM OF THE MONITOR. IN THIS PROBLEM, AS IN MANY OTHERS, THERE WAS NO EFFORT TO PROVIDE ENCLOSED STAIRS, TO THE JURY THIS SEEMED COMPLETELY UNREALISTIC IN A BUILDING OF THIS TYPE.

SUMMARY OF AWARDS:

1 FIRST MEDAL 9 SECOND MEDAL 67 MENTION 1 HORS CONCOURS 88 NO AWARD 166 TOTAL

CATHOLIC UNIVERSITY OF AMERICA: MENTION- C.RICHTER

GEORGIA SCHOOL OF TECHNOLOGY: MENTION- J.S.FORNARA, J.N.SMITH.

UNIVERSITY OF ILLINOIS: FIRST MEDAL- T.H.TSAI. SECOND MEDAL- R.K.ALBYN,

L.C.CORDOGAN, J.G.REPLINGER. MENTION- C.E.ASBURY, G.BARNGROVER,

S.S.BIGELOW, P.M.CASEY, C.S.CHANG, C.CHEN, D.CHUANG, G.B.COX, J.W.CRUME

C.D.FAULKNER, A.A.GOUVIS, E.P.GRAHAM, R.L.GRAHAM, N.F.GREWE, J.J.JORDAN

G.JURENEC, A.L.KARL, O.KLEB, P.J.KLUMB, J.KLUND, R.KNOPP, M.LEVINE,

A.LILIEN, R.MEZANSKY, M.T.MOFFITT, F.C.NAGEL, D.N.PANG, J.K.PLEPEL,

J.REIF, A.REYHAN, H.L.RICE, J.W.ROCK, D.SCHLICKAN, R.J.SHERBURNE,

N.S.SUTER, F.TREITLER, E.K.USHER, Y.C.WONG, J.WOOD, S.ZYWOTOW.

UNIVERSITY OF PENNSYLVANIA: SECOND MEDAL- I.C.BACHMAN, L.DEMOLL, R.E.LAMBORGHINI

MENTION- K.C.ANDERSON, D.R.BEESON, T.BRANDOW, MORRIS COHEN, E.C.COOPER,

G.FAN, W.A.GRAY, T.HARDWICK, W.K.LEE, J.S.LOWELL, R.C.MICKLEWRIGHT,

C.W.MILLER, G.B.NOTMAN, A.POLINGHER, R.O.RACE, JR., J.W.ROTH, J.D.SACK-

STEDER, M.SCHWARTZ, J.H.TRIBBIE, R.E.VAUGHN.

SECOND MEDAL- J.H.VONGUNTEN, G.WIEDENKELLER, R.A.YARNALL.

WESTERN RESERVE UNIVERSITY, CLEVELAND: MENTION- R.X.IVANYE, L.C.KELLER,

R.E.WARNER, D.S.WOODARD.

INDEX OF REPRODUCTIONS:

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19.	R.K.ALBYN, UNIVERSITY OF ILLINOIS	SECOND MEDAL
20.	L.DEMOLL, UNIVERSITY OF PENNSYLVANIA	SECOND MEDAL
21.	J.G.REPLINGER, UNIVERSITY OF ILLINOIS	SECOND MEDAL

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BEAUX-ARTS INSTITUTE OF DESIGN

304 East 44th Street, New York 17, N. Y.

DEPARTMENT OF ARCHITECTURE—1948-1949—FIFTY-SIXTH SCHOOL YEAR

Program issued and completed in any

Five consecutive weeks between —September 13, 1948—November 22, 1948

Judgment will be held in the week of—December 6-10, 1948

CLASS B PROBLEM—A CITY RECTORY

Author—George Edward Beatty, Brooklyn, New York

Mr. George Edward Beatty received his formal education in engineering and architecture at George Washington University and at the Catholic University of America; he was awarded the Arthur B. Heaton Prize in design over a four year scholastic period. After spending a training period in the office of MacKenzie, Voorhees and Gmelin in New York, he joined the firm of Beatty and Berlenbach in 1927. In 1928, on leave of absence, he went to Rome to work under Professor Enrico Del Debbio in the design of the Forum Mussolini and regional plans for many of the larger Italian cities. He received a Certificate from the School of Architecture of the University of Rome, and following extensive travel throughout Europe returned to the United States in 1931. Mr. Beatty is an advisory Director of the New York State Institute of Applied Arts and Sciences; President of the School Board District #10 of Shoreham, N. Y.; member of the Associated Board of Education, Suffolk County, N. Y.; Director and Vice-President of the Shoreham Country Club. He is a member of the Brooklyn Chapter A.I.A., a past Director and at present its Vice-President.

The purpose of this problem is to give the student experience in composing a few simple elements with vertical circulation in a building of special use. This building should have a dignified residential character.

An established Catholic Parish in one of the many middle-sized American cities proposes the erection of a Rectory to house the Pastor, two curates, one guest, a housekeeper, and the general business of the Parish.

The Diocesan Building Commission has approved the site shown on the accompanying plot diagram.

This will be the second of a total of four units which will comprise the Parochial plant. The Church itself, of traditional design and passable taste, was substantially built more than twenty years ago.

The Convent for twenty Nuns, and a 16 classroom school with a 700 seat auditorium will be the third and fourth units and will be constructed when conditions permit.

ELEMENTS OF THE PLAN:

First Floor—An entrance and vestibule, readily accessible to the Public, leading directly to the waiting room and thru another door to the Rectory proper.

A waiting room (8 chairs and a table) with a door to the Rectory proper.

Two small conference offices accessible from the waiting room without cross circulation. Each shall contain a desk and three chairs and closet space.

Dining room, about 300 sq. ft.

Adjoining the dining room and separated therefrom by wide substantial folding doors or a sliding partition, will be a room which can be joined to the dining room for Jubilee Celebration, Episcopal visits, and the other rare social functions of the Rectory. It will be the locale of mixed marriages (marriage between Catholics and Non-Catholics may not take place in the Church. Canon Law prescribes the Rectory as the proper place.) At other times this room will be used for the small meetings

of Parish Society heads, Committee Chairmen, etc. and the Parish Priests.

A small office with small walk-in-vault for Parish records, temporary repository for cash and valuables, coin counting machine, etc. This office should be convenient to the Conference offices and the waiting room.

Kitchen and pantry.

Service entry.

Private entrance for the clergy, which is also convenient to the Sacristy of the Church, or a direct contact to the Sacristy.

For the housekeeper, a small bedroom, a bath, and a small sitting room. This may be located on an upper floor.

Second Floor—The Pastor's bedroom (single bed, chair, night table, one chest of drawers.) Bath (stall shower, no tub); Study, about 300 sq. ft. with doors to stairhall, bedroom and Pastor's office. This office shall be small about 100 sq. ft. with a door to the stairhall, if possible, since the Pastor will consult with the Rectory residents herein, on the business of the Rectory and the Parish.

The first Curate's bedroom and bath, and study, and the Second Curate's bedroom, bath and study. These shall be about the same size as the Pastor's or a little smaller.

Third Floor—The guest room and bath.

Boiler room, storage and a small automatic type laundry machine for incidental laundry only, will be located in the cellar.

Ample closet space should be provided throughout.

Porches and sun-decks may be included if privacy and orientation permit.

A three car garage.

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ELEMENTS OF THE PLAN:

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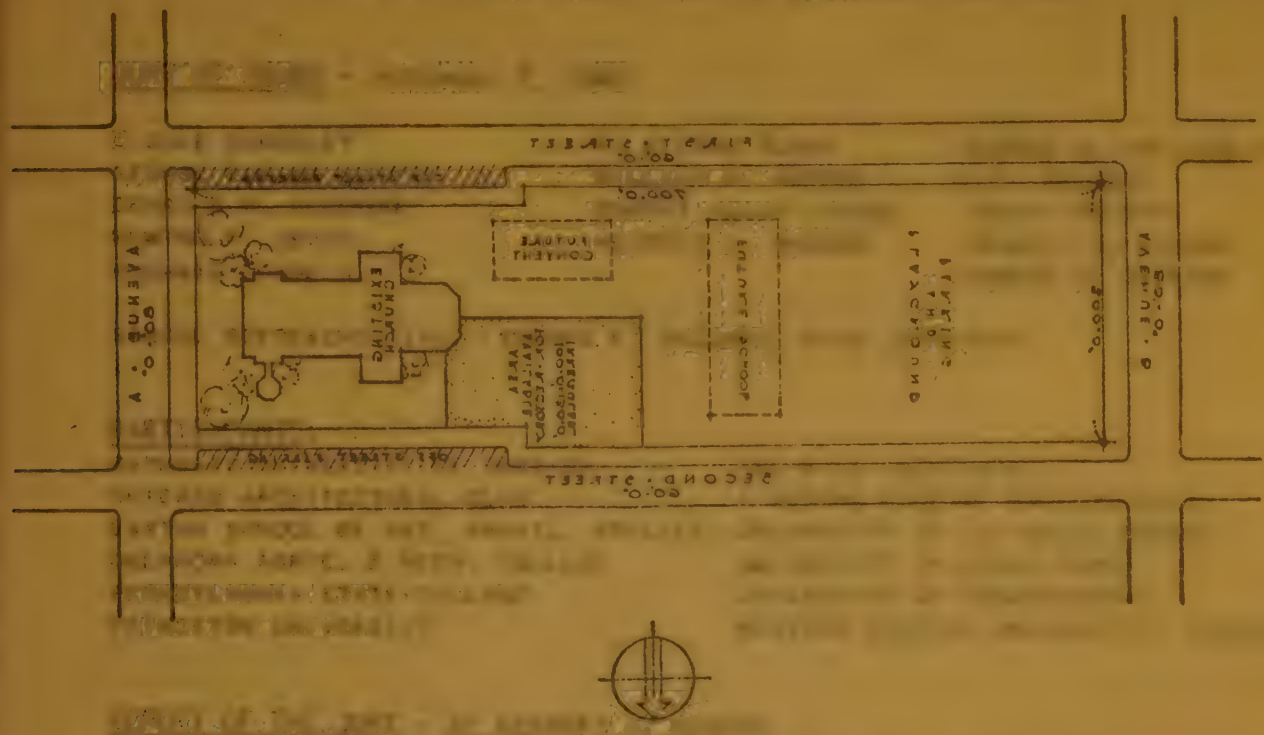
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REQUIRED DRAWING: (Sheet size 31" x 40")
 First floor plan showing area available for Rectory and possible connection with Church, also showing walks, driveways, garages, at the scale of 1/16" to the foot.
 Second and third floor plans at the scale of 1/16" to the foot.
 All elements must be designated by name on the plan and not by letter or numeral.
 A perspective at as large a scale as possible.
 Section at the scale of 1/16" to the foot.
 Elevation taken from "Second Street" at the scale of 1/16" to the foot.



NOTE: A record of the dates selected for this problem by each supervisor and school must be forwarded to the Bureau of Design as soon as determined.
 The text of all programs must be kept confidential before they are issued.
 Final drawings shall have a full inch unnumbered border on all sides.
 Drawings will be eliminated from the judgment for infringement of the following:
 (a) Violation of requirements or failure to pay the registration fee.
 (b) Definite, specific or insufficient indication of the solution of the problem in the final drawing.
 (c) Omission or variation from the fixed requirements of the program.
 (d) Failure to indicate the identifying elements as may be called for in any program.
 Failure to comply with the requirements as stated in the Circular of information for 1948-1949 shall exclude drawings from judgment. Copy will be sent on request.

HIGHER AWARDS.
 OF THE BUSINESS FUNCTIONS, DISCUSS
 ENTRANCE VESTIBULE, WAITING AREA, CONFERENCE ROOM, OFFICE, AND
 ORGANIZED AS AN INDIVIDUAL UNIT OF THE MAIN BUSINESS BUILDING
 ADJOINING ROOM FOR RECEPTION AND A DINING ROOM MUST BE
 WITH THE KITCHEN AND BREAKFAST ROOM. IN THIS CONNECTION, PLANS
 NECESSARY TO PASS THROUGH THE DINING ROOM IN ORDER TO REACH THE FRONT DOOR
 GIVEN A LOW RATING. PLANS WHICH FAIL TO MEET THE ABOVE REQUIREMENTS
 FRONT, BY HALL ACCESS, WITH CORRIDORS AND STAIRWAYS. ALSO PLANS WHICH
 SECONDARY LIGHTING FOR CORRIDORS, OFFICES, RECEPTION AND DINING ROOMS.

REQUIRED DRAWING: (Sheet size 31" x 40")

First floor plan showing area available for Rectory and possible connection with Church, also showing walks, driveways, gardens, at the scale of 1/16" to the foot.

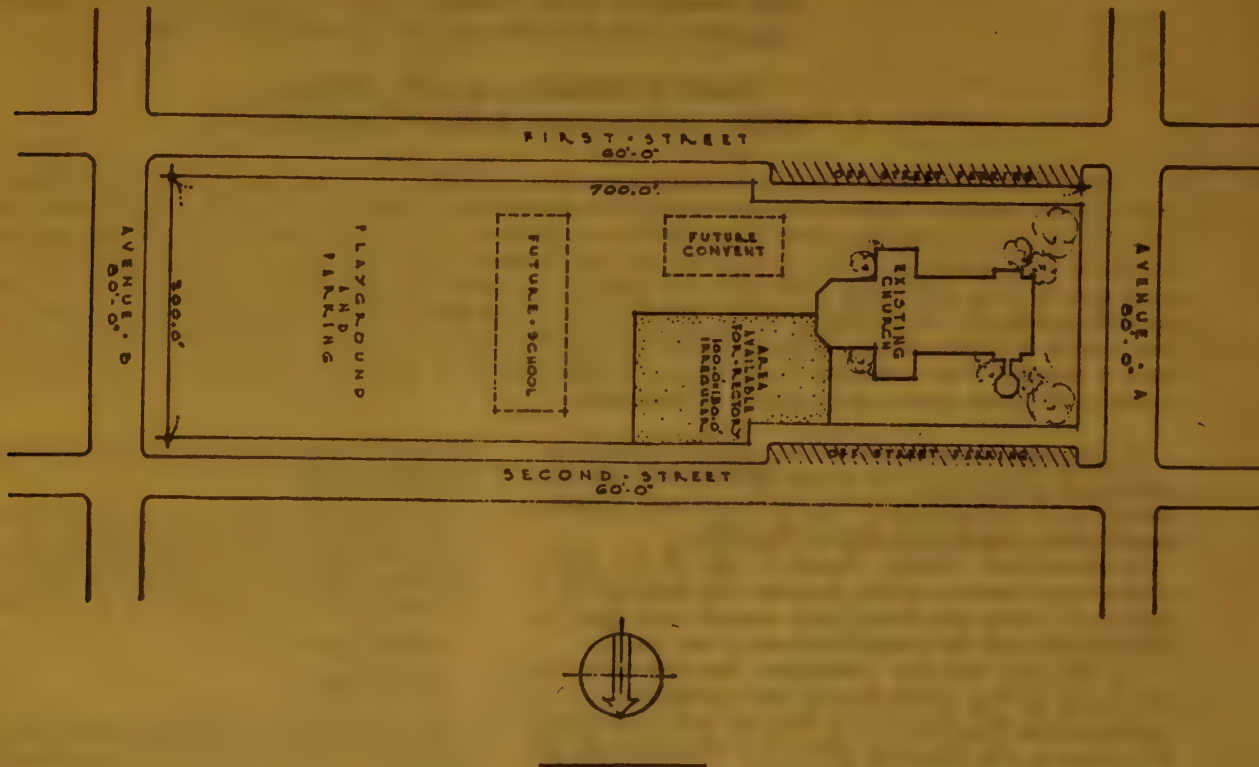
Second and third floor plans at the scale of 1/16" to the foot.

Elevation taken from "Second Street" at the scale of 1/16" to the foot.

Section at the scale of 1/16" to the foot.

A perspective at as large a scale as possible.

All elements must be designated by name on the plan and not by letter or numeral.



NOTE: A record of the dates selected for this problem by each supervisor and school must be forwarded to the Beaux-Arts Institute of Design as soon as determined.

The text of all programs must be kept confidential before they are issued.

Final drawings shall have a half inch unrendered border on all sides.

Drawings will be eliminated from the judgment for infringements of the following:

- (a) Violation of requirements, or failure to pay the registration fee.
- (b) Indefinite, illegible or insufficient indication of the solution of the problem in the final drawing.
- (c) Omission or variation from the fixed requirements of the program.
- (d) Failure to indicate the identifying elements as may be called for in any program.

Failure to comply with the requirements as stated in the Circular of Information for 1948-1949 shall exclude drawings from judgment. Copy will be sent on request.

CLASS B PROBLEM I
A CITY RECTORY

AUTHOR - GEORGE EDWARD BEATTY, BROOKLYN, NEW YORK

JURY OF AWARD - DECEMBER 7, 1948

C. DALE BADGELEY

GEORGE EDWARD BEATTY

CHARLES W. BEESTON

NEWTON P. BEVIN

ROSARIO CANDELA

M. MILTON GLASS

WILLIAM H. GEHRON

ROBERT ALLAN JACOBS

HERBERT A. MAGOON

GEORGE W. MCLAUGHLIN

A. F. MEISNER

ADOLPH MERTIN

FRANCIS A. NELSON

HOWARD W. SWENSON

SCHOOL REPRESENTATIVE: EDWARD R. DEZURKO, RICE INSTITUTE

PARTICIPANTS:

CATHOLIC UNIVERSITY OF AMERICA

CHICAGO ARCHITECTURAL CLUB

LAYTON SCHOOL OF ART, ARCHTL. ATELIER

OKLAHOMA AGRIC. & MECH. COLLEGE

PENNSYLVANIA STATE COLLEGE

PRINCETON UNIVERSITY

THE RICE INSTITUTE

T SQUARE CLUB OF PHILADELPHIA

UNIVERSITY OF ILLINOIS, URBANA

UNIVERSITY OF NOTRE DAME

UNIVERSITY OF PENNSYLVANIA

WESTERN RESERVE UNIVERSITY, CLEVELAND

REPORT OF THE JURY - BY HERBERT A. MAGOON

EXAMINATION OF THE DRAWINGS REVEALED THAT VERY FEW OF THE ELEVATIONS HAD ANY MARKED DEGREE OF DOMESTIC OR RELIGIOUS CHARACTER. WHILE IT WAS FELT THAT THESE QUALITIES WERE VERY IMPORTANT TO A TRULY SUCCESSFUL SOLUTION OF THE PROBLEM, AND THAT SOME EXPRESSION OF COMPATIBILITY OF EXTERIOR DESIGN WITH THE DESIGN OF THE EXISTING CHURCH, AS CALLED FOR BY THE PROGRAM, SHOULD HAVE BEEN MADE, THE JURY DETERMINED THAT IT WOULD LOOK PRIMARILY FOR WELL COORDINATED PLANS AND SECTIONS, GOOD HORIZONTAL AND VERTICAL CIRCULATION, EASY ACCESS TO PUBLIC ROOMS AND PRIVACY FOR ESSENTIALLY PRIVATE FUNCTIONS. PROBLEMS THAT SOLVED THESE THINGS SUCCESSFULLY, WITHOUT TOO BIZARRE OR UNSUITABLE ELEVATIONS, WERE PREMIATED. THOSE WHICH HANDLED THESE THINGS WELL, AND ALSO ACHIEVED PASSABLE OR GOOD CHARACTER IN ELEVATION, OR HAD MARKEDLY GOOD PLANS, WERE GIVEN THE HIGHER AWARDS.

SOME OF THE QUALITIES WHICH THE JURY LOOKED FOR IN PLAN WERE ORGANIZATION OF THE BUSINESS FUNCTIONS, DISTINCT FROM THE LIVING AND SERVICE FUNCTIONS YET COORDINATED SO AS TO WORK WELL TOGETHER. THIS MEANT THAT SUCH ELEMENTS AS THE ENTRANCE VESTIBULE, WAITING ROOMS, CONFERENCE ROOMS, OFFICE AND VAULT WERE BEST ORGANIZED AS AN INDIVIDUAL UNIT OF THE PLAN CLOSELY RELATED TO THE DINING AND ADJOINING ROOM FOR CELEBRATIONS. A DINING ROOM MUST OF COURSE BE ASSOCIATED WITH THE KITCHEN AND SERVICE ROOMS. IN THIS CONNECTION, PLANS WHICH MADE IT NECESSARY TO PASS THROUGH THE DINING ROOM IN ORDER TO REACH THE FRONT DOOR WERE GIVEN A LOW RATING. PLANS WHICH ARRANGED THE MAID'S QUARTERS CONVENIENT TO THE FRONT, BY HALL ACCESS, WERE CONSIDERED SATISFACTORY. SOME PLANS MADE USE OF SECONDARY LIGHTING FOR CONFERENCE ROOM, OFFICES, BATHROOMS AND SOMETIMES HALLWAYS.

AND STAIRS. THIS WAS FROWNED UPON AND THESE DRAWINGS WENT UNREWARDED EXCEPT WHEN OTHER ELEMENTS WERE ESPECIALLY WELL HANDLED. IT WAS THOUGHT THAT THE OFFICE ON THE FIRST FLOOR SHOULD BE A ROOM RATHER THAN A SPACE WITH A COUNTER, AS ITS FUNCTION IS NOT ONE CLOSELY CONNECTED WITH THE PUBLIC, BUT ONE OF MONEY COUNTING AND RECORD KEEPING AND WITH ONLY INCIDENTAL CONTACT WITH THE PUBLIC. IT WAS, THEREFORE, MORE FAVORABLY REGARDED IF THESE ELEMENTS WERE PLACED IN CLOSE ASSOCIATION WITH THE PASSAGE FROM THE CHURCH RATHER THAN ASSOCIATED WITH THE FRONT ENTRANCE. OUTLOOK FOR THE DINING AND CELEBRATION ROOMS WAS CONSIDERED GOOD EITHER TO THE REAR COURT OR TO THE FRONT, BUT NOT CONSIDERED GOOD WHEN THEY FACED TOWARD THE SERVICE DRIVE. LATITUDE WAS ALLOWED IN THE MATTER OF LOCATION OF SERVICE QUARTERS. THE TWO CHOICE LOCATIONS WERE: FIRST, CLOSELY ASSOCIATED WITH THE KITCHEN AND SERVICE, AND SECOND, LOCATION ON THE THIRD FLOOR. LOCATION OF THE SECOND FLOOR OFFICE AT THE HEAD OF THE MAIN STAIR WAS FAVORABLY RECEIVED. PRIVACY FOR THE BEDROOMS WAS DEEMED IMPORTANT AND ACCESS THROUGH THE STUDY WAS CONSIDERED DESIRABLE. COMPACTNESS, EASE OF ACCESS AND LIGHT HALLS WERE LOOKED FOR ON THE SECOND FLOOR.

THE PROBLEM SUBMITTED BY C.B. WILSON, RICE INSTITUTE - FIRST MENTION PLACED, EMBODIED MOST OF THE AFOREMENTIONED PRINCIPLES AND THE ENTRANCE IN THIS CASE IS ROOMY AND PROVIDES DIRECT ACCESS TO THE WAITING ROOM; CONTACT WITH THE CELEBRATION AND DINING SPACES IS EASY. THE OFFICE AND VAULT ARE EASILY REACHED FROM THE PASSAGE LEADING TO THE CHURCH WITHOUT PASSING THROUGH THE WAITING SPACE. CONFERENCE ROOMS ARE EASILY ACCESSIBLE OFF THE WAITING SPACE AND THESE BUSINESS ROOMS HAVE BEEN CLOSELY ASSOCIATED IN A SINGLE WING. THE FRONT DOOR IS EASILY REACHED FROM EITHER THE HOUSEKEEPING ROOMS OR SERVICE ROOMS BY MEANS OF A HALLWAY, AND THE GARAGE IS ACCESSIBLE TO A COVERED SPACE. DINING AND CELEBRATION ROOMS ARE AMPLE, WELL PROPORTIONED, WELL LIGHTED AND FACE ON THE GARDEN. THE SECOND FLOOR HAS A ROOMY, WELL LIGHTED STAIR HALL CLOSELY ASSOCIATED WITH THE OFFICE AND PASTOR'S STUDY. A CERTAIN DEGREE OF PRIVACY IS OBTAINED FOR THE BEDROOM AND BATH ON THE FAR SIDE OF THE STUDY. THERE IS GOOD CROSS VENTILATION, WITH THE FAVORED VIEW TOWARD THE GARDEN. FROM THE STAIRWAY ONE IS LED IN THE OPPOSITE DIRECTION TO THE TWO CURATES' STUDIES, EACH OF WHICH LEAD TO PRIVATE BEDROOMS WELL LIGHTED FROM THE GARDEN SIDE. GUEST ROOM AND BATH ARE SIMPLY HANDLED ON THE THIRD FLOOR. THIS PROBLEM WAS PLACED BECAUSE IT HAD NOT ONLY A STRONG PLAN AND ELEVATION BUT BECAUSE THE ELEVATION, WHILE NOT TIGHTLY RESTRICTED TO ANY DECADENT STYLE, SHOWED THE RELIGIOUS CHARACTER THAT WOULD BE SUITABLE TO AN ADDITION TO A CHURCH BUILT SOME TWENTY YEARS AGO.

THE PROBLEM OF W.F. GOLDING, UNIVERSITY OF ILLINOIS - FIRST MENTION PLACED, - WAS CONSIDERED EVEN MORE SATISFACTORY THAN THAT OF MR. WILSON FROM THE STAND-POINT OF PLANNING. THE CHARACTER OF THE ELEVATION, HOWEVER, DID NOT SEEM TO INDICATE THE RESIDENTIAL QUALITY CALLED FOR BY THE PROGRAM. IT SEEMED TO APPROACH MORE CLOSELY A SUMMER RESORT HOTEL OR CLUB. THE HANDLING OF THE BUSINESS SECTION OF THE PLAN WAS SUPERIOR IN THAT IT CONNECTED MORE DIRECTLY WITH THE CHURCH. A STAIRWAY TO THE SECOND FLOOR WAS WELL LIGHTED FROM AN OUTDOOR COURT. THE DINING AND CELEBRATION ROOMS AND SERVICE FUNCTIONS WERE BEAUTIFULLY HANDLED. ON THE SECOND FLOOR THE OFFICE AGAIN WAS CONVENIENT TO THE STAIRWAY. PASTOR'S STUDY WAS WELL ARRANGED WITH RESPECT TO THE OFFICE AND HIS BEDROOM. THE CURATES' ROOMS WERE EQUALLY WELL ARRANGED AT THE OPPOSITE END OF THE PLAN. SPACIOUS QUARTERS WERE ARRANGED FOR THE HOUSEKEEPER ABOVE THE GARAGE.

THE PROBLEM OF Q.N.HOFMAN, UNIVERSITY OF ILLINOIS - FIRST MENTION PLACED, - HAD A GOOD BUSINESS UNIT, BUT WAS CRITICIZED FOR MAKING USE OF AN OFFICE WITH AN OPEN COUNTER WHICH WOULD FORCE THE DELIVERY OF MONEY THROUGH THE WAITING ROOM. IT WAS OTHERWISE WELL ARRANGED AND THIS STUDENT HAS BEEN MORE SUCCESSFUL IN OBTAINING RESIDENTIAL CHARACTER THAN MANY OF THE OTHERS.

SUMMARY OF AWARDS:

3 FIRST MENTION PLACED	4 FIRST MENTION	125 MENTION	2 HORS CONCOURS
203	NO AWARD	337 TOTAL SUBMITTED	

CATHOLIC UNIVERSITY OF AMERICA: MENTION- R.CRITCHON, H.J.TERZINO, H.SHADID
J.H.DEIERLEIN, B.N.CAHLANDER, O.HENDON.

CHICAGO ARCHITECTURAL CLUB: MENTION- L.M.NOWICKI, F.W.SPANN, A.S.WHITE
R.L.WULFF.

LAYTON SCHOOL OF ART, ARCHTL. ATELIER: MENTION- R.VANLANEN.

OKLAHOMA AGRIC. & MECH. COLLEGE: MENTION- E.BELL, W.J.BLAIR, W.CRITCHON,
R.H.EVERETT, J.GRAVES, D.W.MANASCO, P.MARTIN, R.MOBLEY, E.BISHOP,
W.GOUDEKET, W.HALL,

PENNSYLVANIA STATE COLLEGE: MENTION- R.ARONSON, H.B.GATES, JR. A.H.GROSSMAN,
M.W.MOORE, S.NATOLI, T.M.POTTER, S.F.RITZ, H.A.SANDERS, S.SEIPLE,
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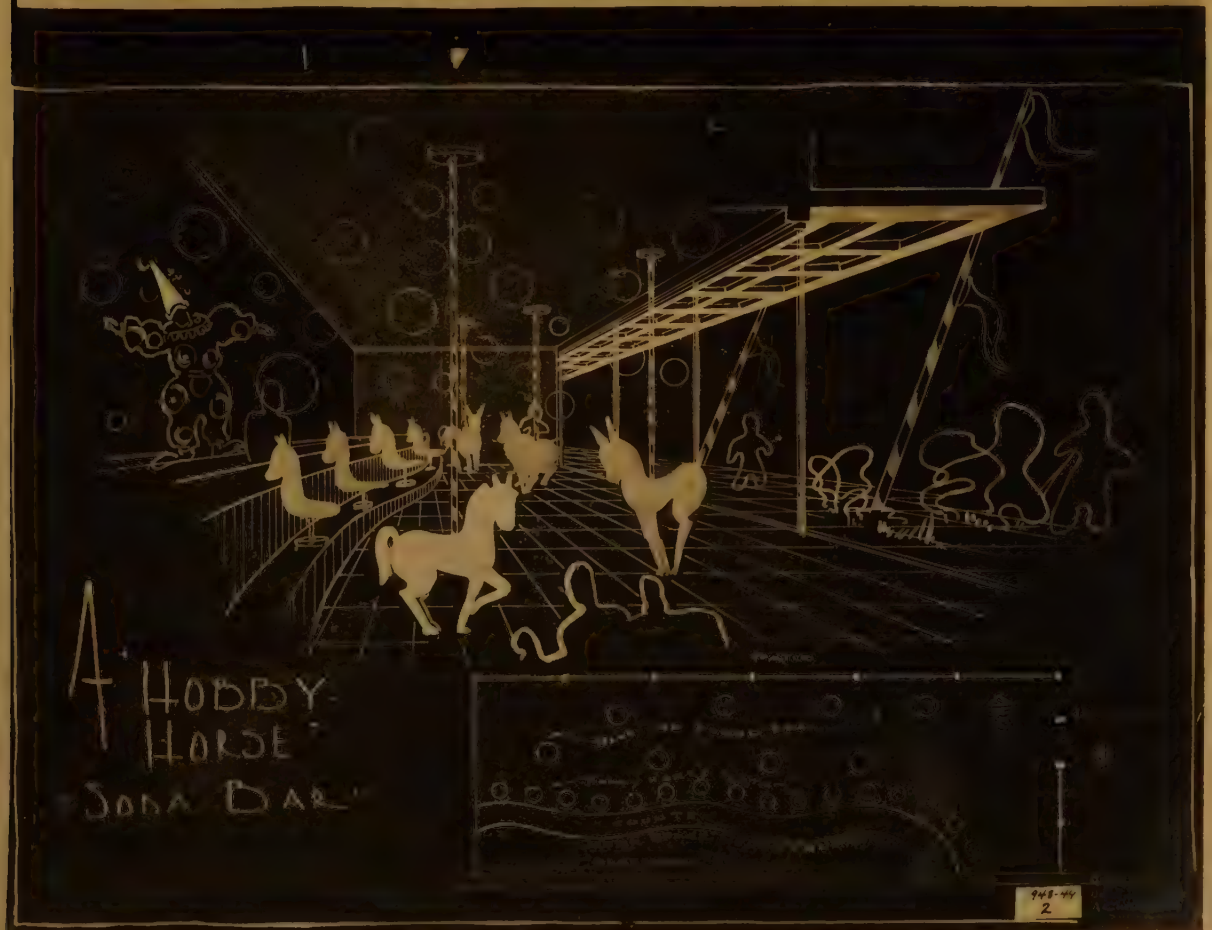
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A WATER THEATRE

TO BE SEEN FROM PLAZA, BOULEVARD,
AND FROM WITHIN THE COMPOSITION.
VARIETY OF FORMS AND COLORS IN
MOTION SURROUND PEDESTRIAN
CIRCULATION



CASCAD

STAGE FOR
SPECTACLE

REFLECTING POOLS

PERMANENT DISPLAY

- LEGEND:
- WATER JETS
- WATER WALLS
- REFLECTING POOLS
- PERMANENT DISPLAY
- STAGE

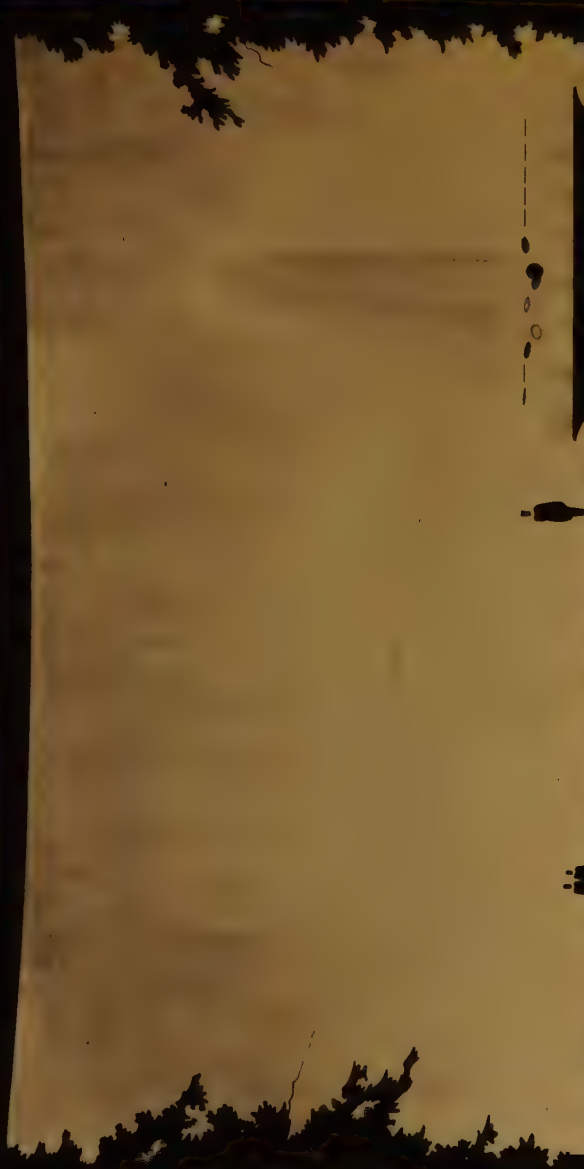
PLAN SCALE 1/32" = 1'-0"

SPECTACLE

SECTION SCALE 1/16" = 1'-0"

COLOR LIGHT TOWARD RED END OF SPECTRUM OBTAINED BY INCANDESCENTS.
TOWARD BLUE BY MERCURY VAPOR.

ALL SURROUNDING PLANTING IS DARK EVERGREEN FOR MAXIMUM CONTRAST TO DAYLIGHT WATER DISPLAYS



CASCAD CLEAR WHITE INCANDESCENT

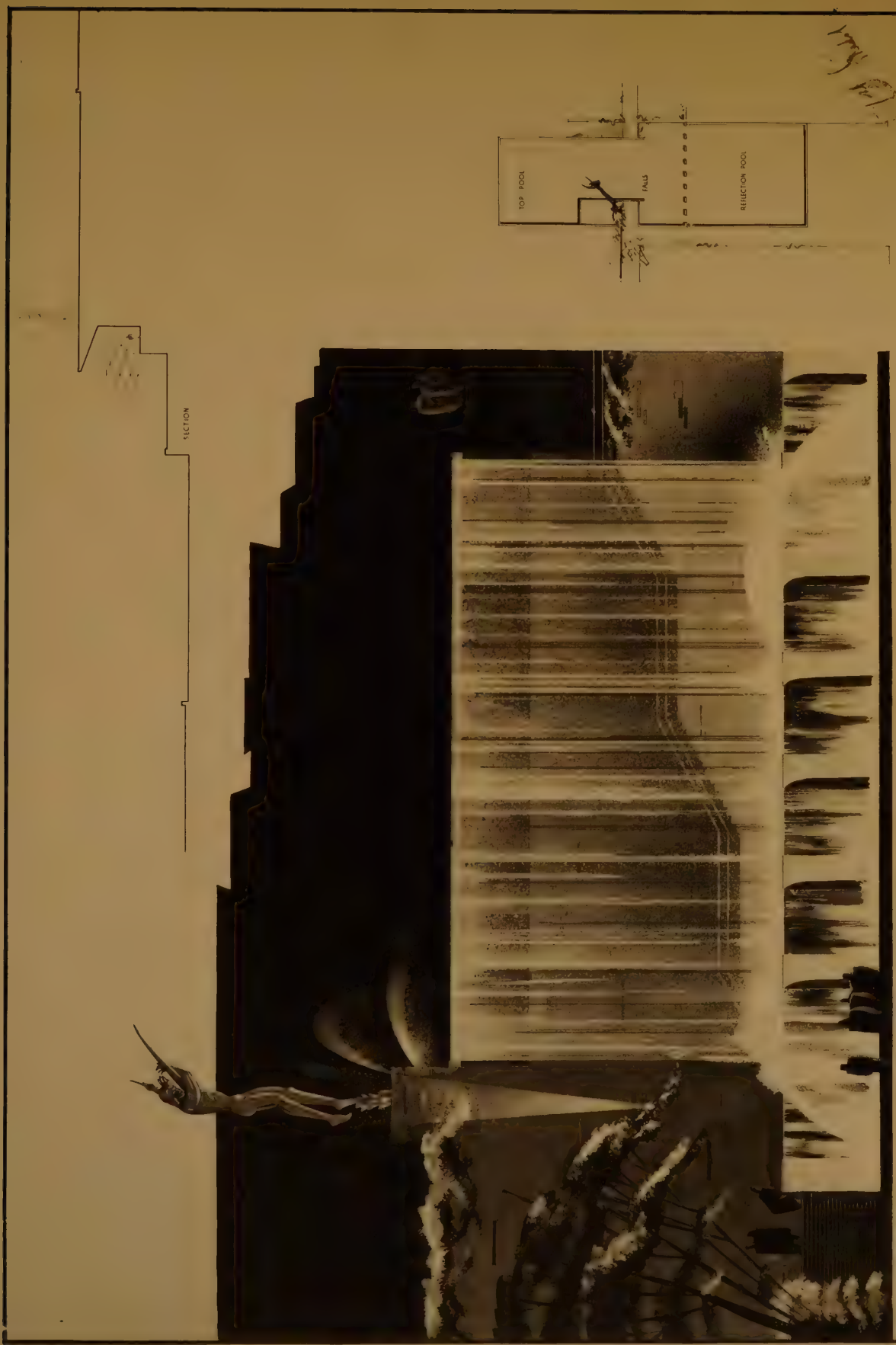
ELEVATION FROM PLAZA SCALE 1/4" = 1'-0"

PERMANENT DISPLAY CLEAR MERCURY VAPOR
MOBILE FERRO-ENAMEL DISCS ON SPRING STEEL SUPPORTS

THE SPECTACLE IS FOR PEDESTRIANS WITHIN THE COMPOSITION.
THEREFORE NOT EXPRESSED IN ELEVATION FROM PLAZA.

1948-49
J. TAYLOR
WINNIE
PA. COMMUNITARIAN

EMERSON PRIZE



SECTION



EMERSON PRIZE





LEWIS - CON



Washington

photo - 11/16/1946

8 4 9

64-8461

ILLUMINATION BY ARTIFICIAL LIGHT - INCLUDES SOURCES OF LIGHT ARE USED FOR THE 3 WATERWAYS, LARGE JET AND LOW FAN JET, INCANDESCENT, SOLAR L7 OF LIGHT WITH YELLOW AND RED MODIFIERS ARE USED FOR THE ILLUMINATION OF THE INTERPENETRATING JETS, WHICH EMPLOY CONTRASTING UNDULATING



WATER IN MOTION

A NOVEL COMPOSITION SHOWING THE CENTERS OF WATER SPRAYS FROM ITS TRANSIENT HARVEST TO ITS ULTIMATE TREMBLEMENT.

THE 3 ELEMENTS OF THE COMPOSITION ARE:
 I. GROUP OF INTERPENETRATING JETS
 II. LARGE JET

GO-SECOND TIME CYCLE 7 SMALL INTERPENETRATING JETS

INTERPENETRATING

LARGE JET

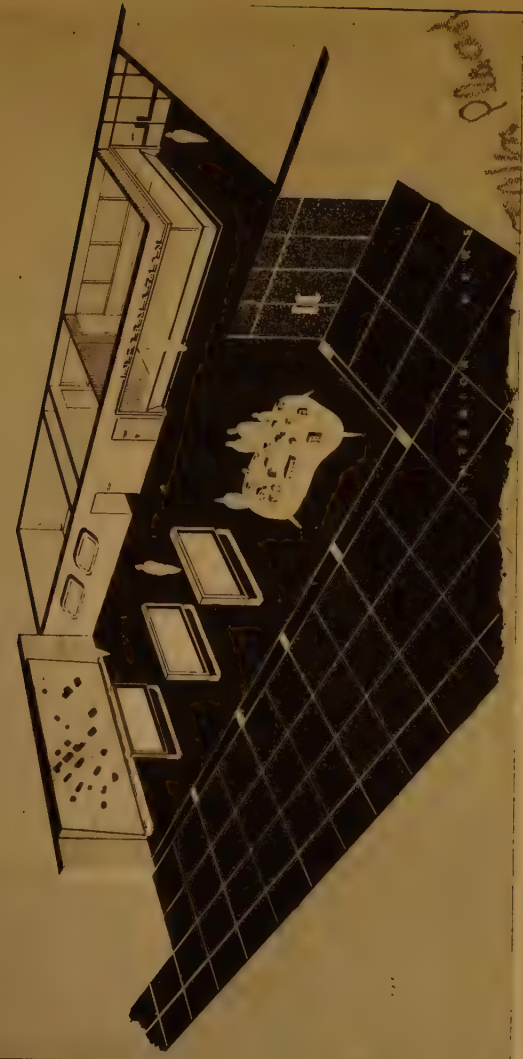
GO-SECOND TIME CYCLE 7 SMALL INTERPENETRATING JETS

INTERPENETRATING

LARGE JET

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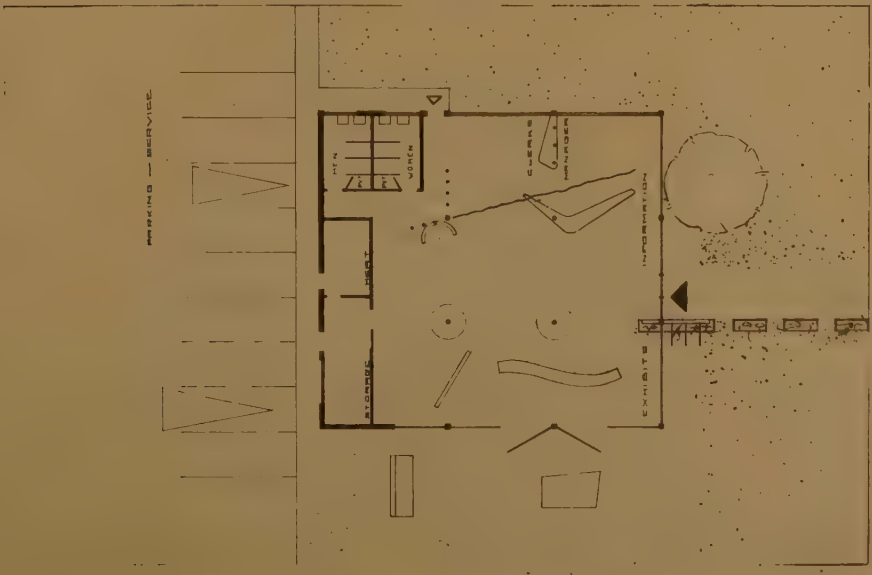


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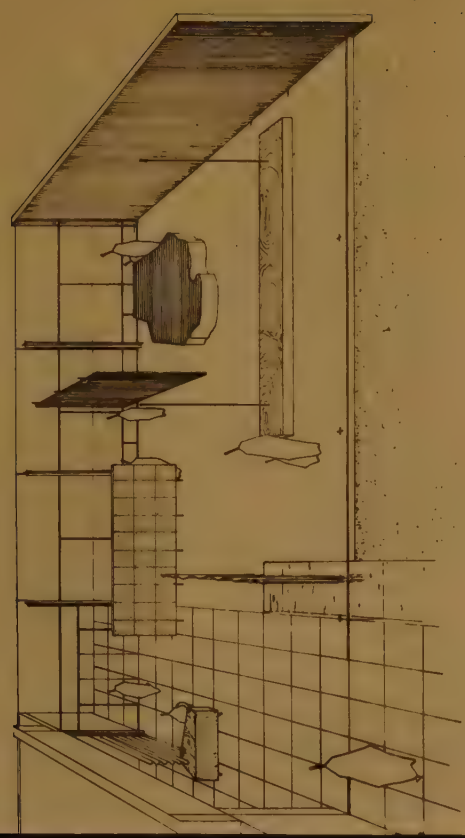


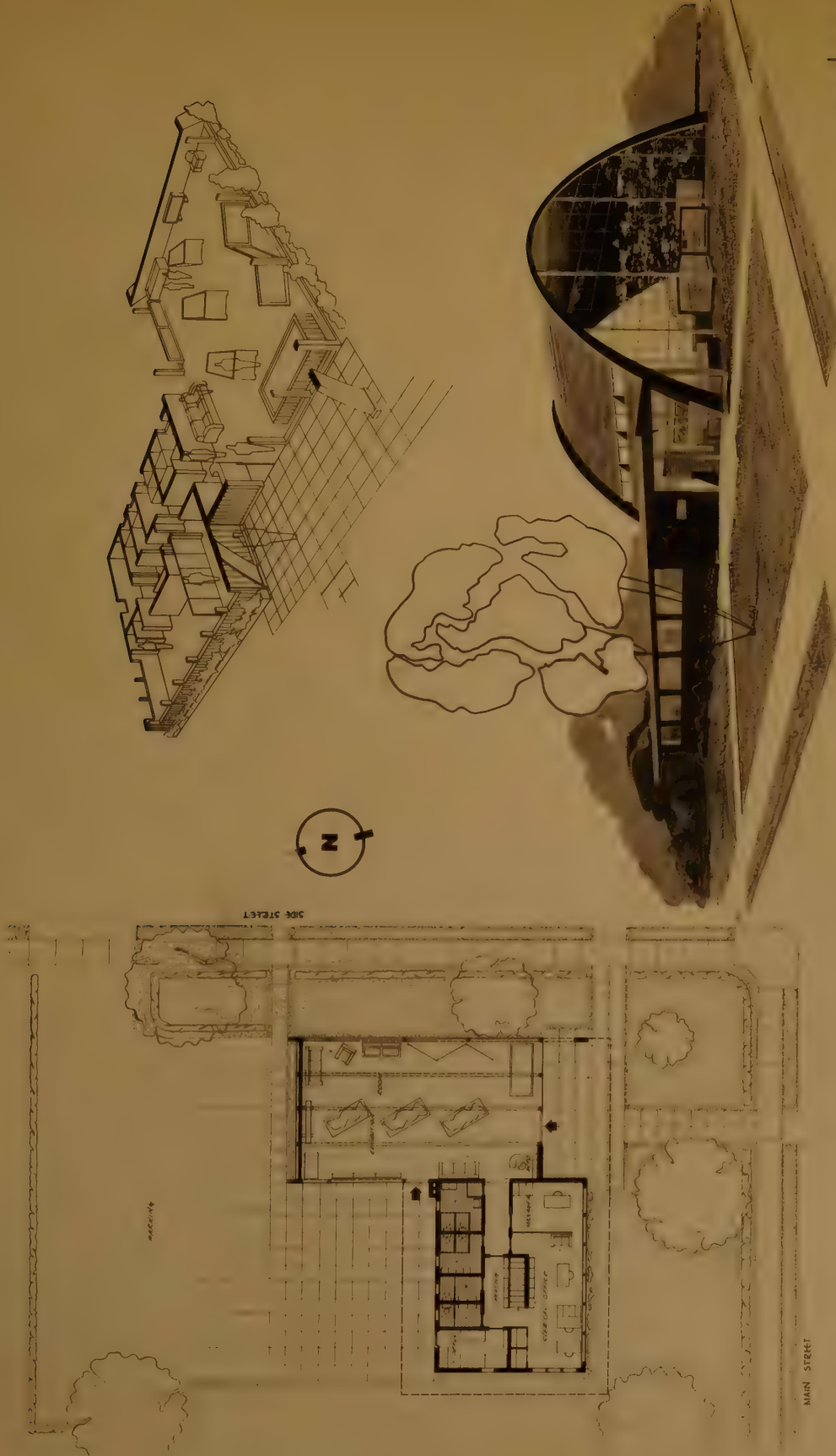
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15
1st floor
placed
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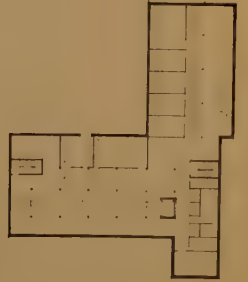
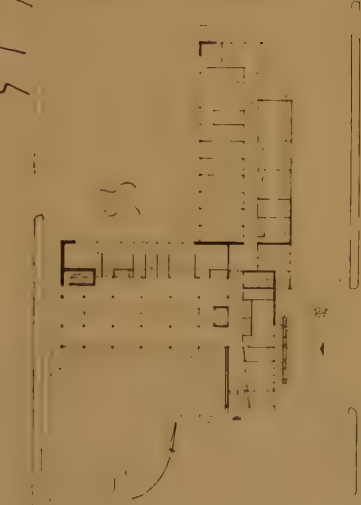
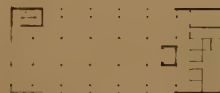
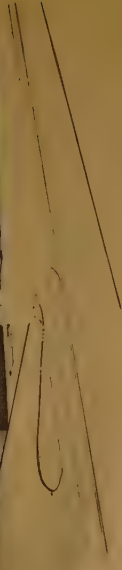
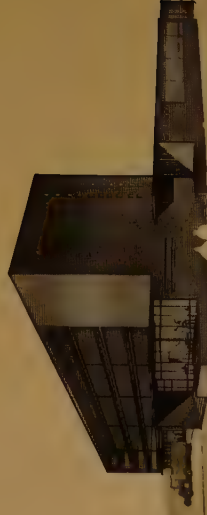
PLAN, WEST SECTION



PLAN, EAST SECTION



TOP SECTION



BASEMENT PLAN



PLAN, NORTH ELEVATION

PLAN, SOUTH ELEVATION

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SECTION 1A



SECTION 1B



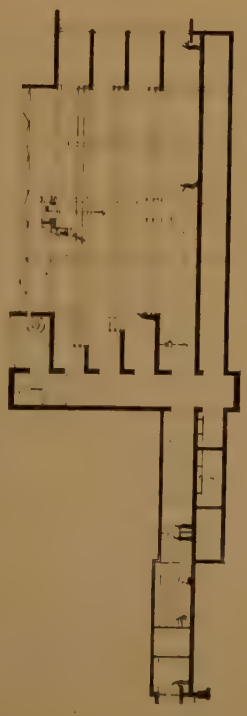
SECTION 1C



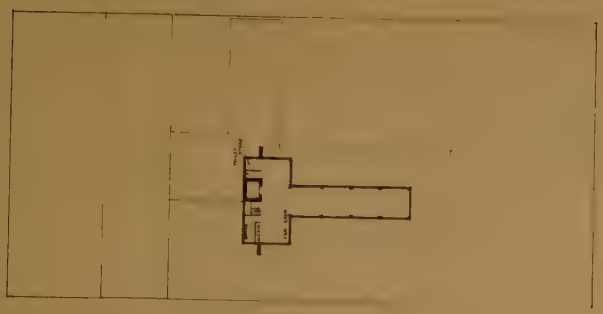
SECTION 2A



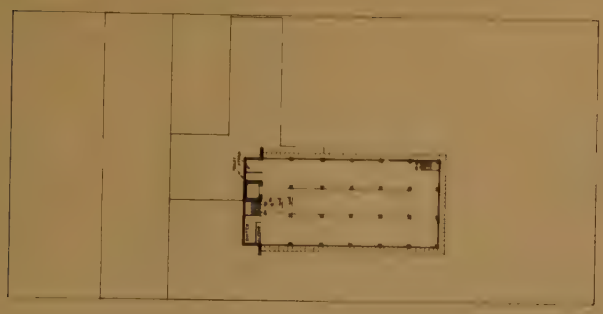
SECTION 2B



SECTION 3A



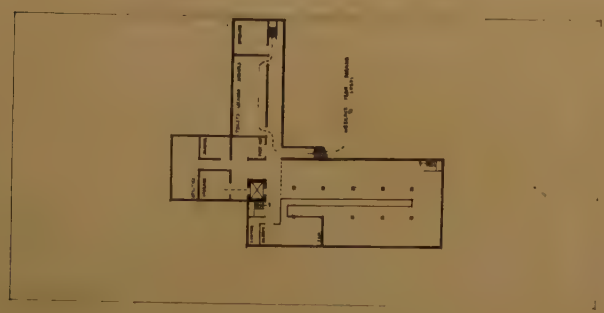
SECTION 3B



SECTION 4A



SECTION 4B





South Elevation A.



East Elevation A.



Perspective from Northwest.

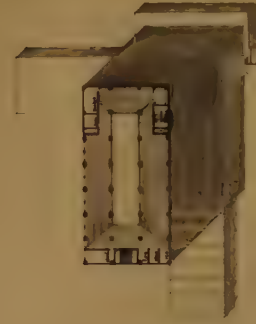


Formal Entrance.

Employee Entrance.



Ground Floor Plan A.



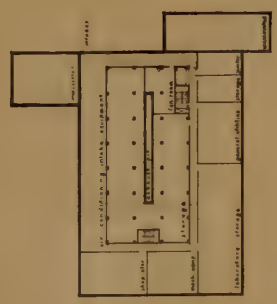
Typical Floor Plan (Noted on floor) A.



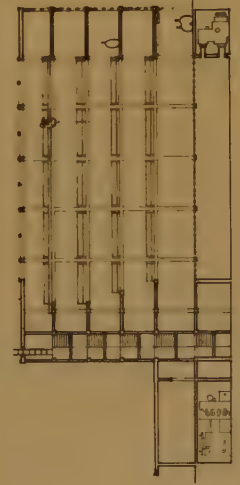
1st Room Floor Plan A.



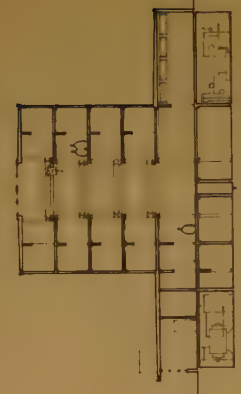
Roof Plan A.



Basement Floor Plan A.



Longitudinal Section A.



Transverse Section A.

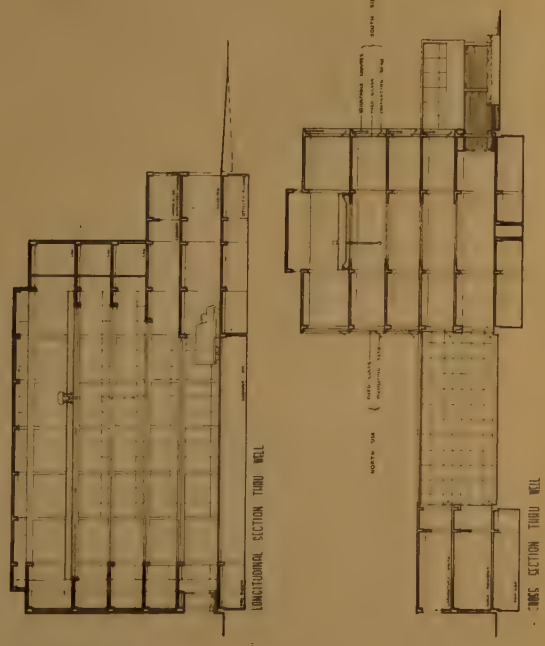
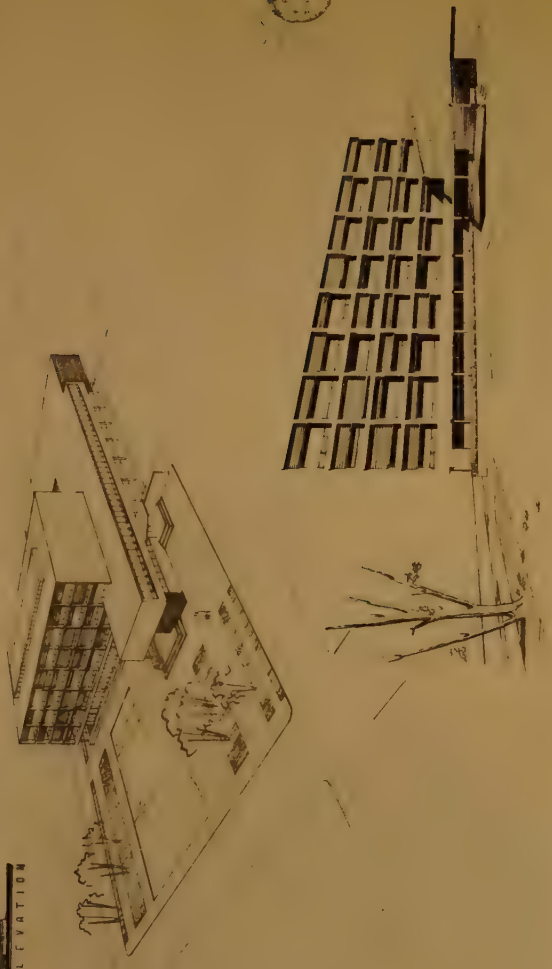
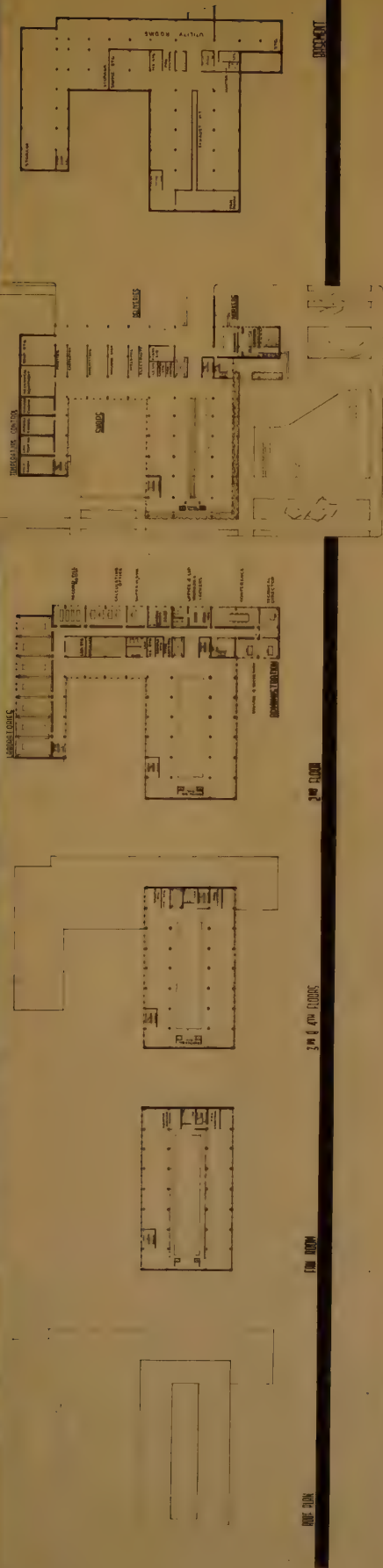


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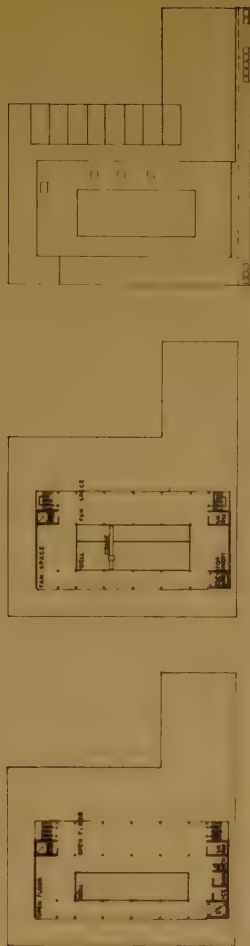
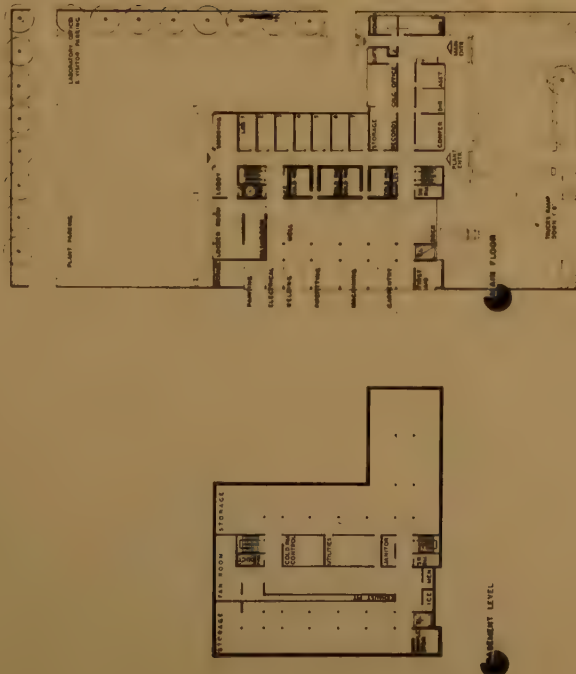
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Richard Kohn, AIA
University of Illinois
Class A, Problem
A PILOT PLANT BUILDING

A PILOT PLANT



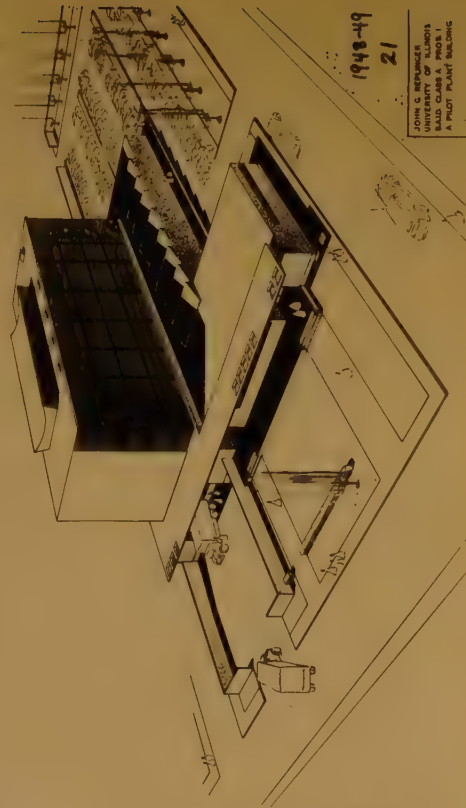
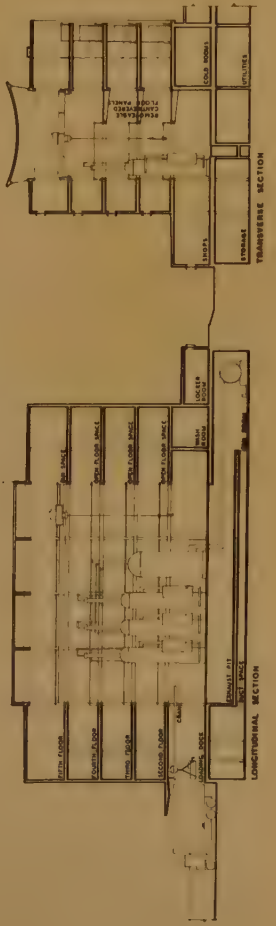
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Basement Level

First and 4th Floors

Roof Plan



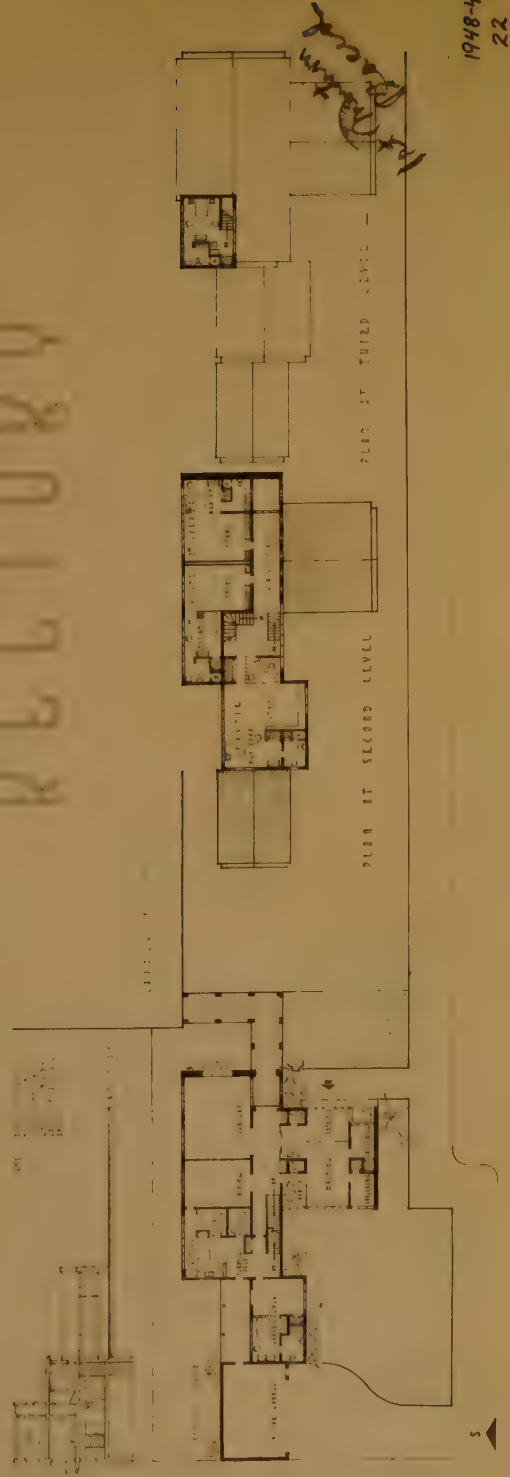
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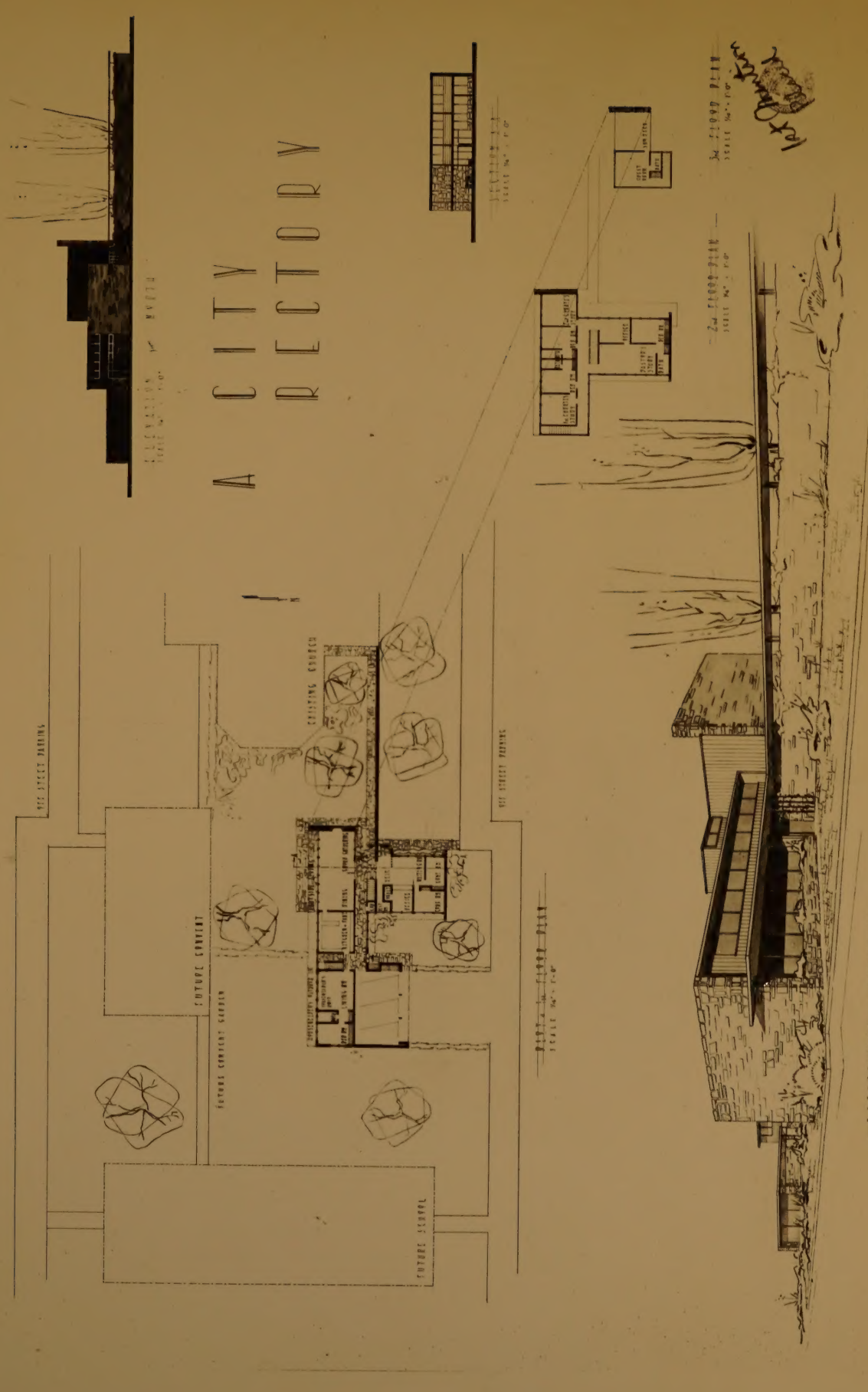
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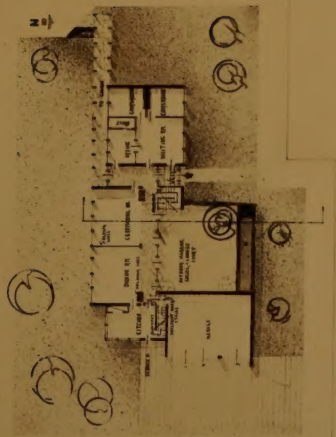
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A PILOT PLANT BUILDING



A CITY RECTORY







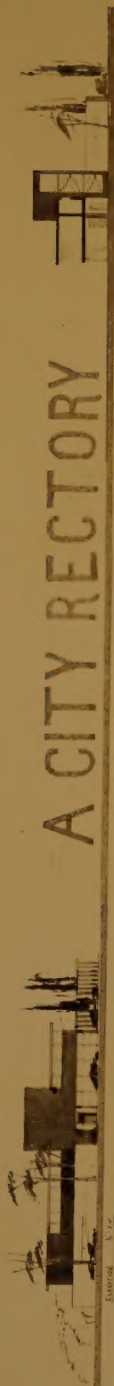
First and Second Floors 1/2 in.



Third Floor 1/2 in.



Rear Porch Group in Perspective View



A CITY RECTORY



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